SDSTWP-01
6-10-21

SECTION 1 - IDENTIFICATION:

TREX® WOOD-POLYMER LUMBER PRODUCTS, TO INCLUDE THE FOLLOWING:

PRODUCT NAME: **TREX TRANSCEND® EARTH TONES AND TROPICALS DECKING**

COLORS:	Vintage Lantern	Gravel Path
	Lava Rock	Spiced Rum
	Rope Swing	Tiki Torch
	Island Mist	Havana Gold

TREX SELECT® DECKING

COLORS:	Woodland Brown
	Madeira
	Winchester Grey
	Saddle
	Pebble Grey

TREX ENHANCE® NATURALS AND BASICS DECKING

COLORS:	Beach Dune	Rocky Harbor
	Clam Shell	Toasted Sand
	Saddle	Coastal Bluff
	Foggy Wharf	

SUPPLIER: TREX COMPANY, INC
160 EXETER DRIVE
WINCHESTER, VA 22603

PRODUCT AND MSDS INFORMATION: 800-289-8739
EMERGENCY CONTACT: 800-289-8739

REVISION: 6-10-21

SECTION 2 - HAZARD IDENTIFICATION:

HEALTH HAZARD:
This product may be used in applications that produce wood dust fibers. According to OSHA 29 CFR 1910.1200, certain wood fibers and carbon black are considered hazardous if the workplace airborne concentration exceeds the OSHA or ACGIH exposure limits.

EFFECTS OF OVEREXPOSURE:
Dust can irritate nose, throat and respiratory tract and may cause mechanical irritation in the eyes. Repeated exposures to certain wood dusts can produce allergic skin and respiratory reactions including asthma and rhinitis. Inhalation of certain wood fibers can cause nasal cancer. Carbon black is a possible carcinogen.

PHYSICAL / CHEMICAL HAZARDS:
No significant hazards.

ENVIRONMENTAL HAZARDS:
No significant hazards.

NFPA HAZARD ID: Health: 0 Flammability: 1 Reactivity: 0

EMERGENCY RESPONSE DATA: Brown solid. Exposure to fire can generate toxic fumes. High dust levels may create potential for explosion. DOT ERG No. – NA

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS:

Component	Appx. Wt %	OSHA PEL	CAS Registry
Polyethylene	N/A	N/A	9002-88-4
Zinc Oxide	N/A	5.0 mg/m^3	1314-13-2
TiO2	N/A	15.0 mg/m^3	13463-67-7
UV Additive	N/A	N/A	192268-64-7
UV Additive	N/A	N/A	25973-55-1
Carbon Black	N/A	3.5 mg/m^3	1333-86-4
Wood Fiber Dust	N/A	5.0 mg/m^3	N/A

NOTE: INGREDIENTS ARE CONTAINED IN A POLYETHYLENE MATRIX. Contains used thermoplastics and waste wood. Plastic obtained primarily from reclaimed/recycled grocery bags and stretch film; wood fiber is typically obtained from furniture makers and/or waste pallets. Standard product is approximately 40% - 50% thermoplastic and 50% - 60% wood fiber.

Chemical Name	CAS Number
Wood Fiber Dust	
Carbon Black	1333-86-4
Polyethylene	9002-88-4

SECTION 4 – FIRST AID MEASURES:

EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a physician.

SKIN CONTACT: Wash contact areas with soap and water. Launder contaminated clothing before reuse.

INHALATION: If respiratory irritation, cough, shortness of breath, wheezing or chest tightness occurs after exposure to dust, remove from further exposure, seek immediate medical assistance and call for a physician.

INGESTION: Not expected to be a problem when ingested. If uncomfortable, seek medical assistance.

SECTION 5 – FIRE-FIGHTING MEASURES:

EXTINGUISHING MEDIA: Water

SPECIAL FIRE FIGHTING PROCEDURES: Use water to keep fire exposed product cool. For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Exposure to fire can generate toxic fumes. High dust levels may create potential for explosion. Flash Point C (F): > 370 (698) (Flame Spread Index = 60). Flammable limits - LEL: NA, UEL: N/A.

HAZARDOUS DECOMPOSITION PRODUCTS: Smoke, Carbon Monoxide, Acetaldehyde, Formaldehyde, Formic Acid, Acetic Acid.

SECTION 6 – ACCIDENTAL RELEASE MEASURES:

NOTIFICATION PROCEDURES: None

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: Where dusty conditions are created as a result of cutting or sawing, wet dust down then sweep or vacuum for disposal. Personnel performing cleanup must use protective equipment.

ENVIRONMENTAL PRECAUTIONS: Not expected to be a problem.

PERSONAL PRECAUTIONS: See Section 8

SECTION 7 – HANDLING AND STORAGE:

HANDLING: TREX® WOOD-POLYMER LUMBER is not intended for load bearing or heavy structural applications. Please consult Trex® Wood-Polymer Lumber's code listing and company literature for proper usage. Trex® Wood-Polymer Lumber is heavier than most traditional lumber products and proper handling is required to prevent damage or injury. Do not burn in fireplace or use as firewood.

STORAGE: Do not store in open or unlabeled containers. Store away from strong oxidizing agents or combustible material.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION:

VENTILATION: Use in well-ventilated area.

RESPIRATORY PROTECTION: Approved dust respirators must be used for dusty conditions or if breathing of dusts is likely.

EYE PROTECTION: Safety glasses with side shields, or goggles, should be worn to protect against dust particles.

SKIN PROTECTION: No special equipment required. Good personal hygiene practices should always be followed.

Substance Name (CAS-No.)	Source	TWA ppm mg/m3	STEL ppm mg/m3
Wood Fiber Dust – Certified Hardwood	OSHA	5	
Wood Fiber Dust – Softwood	OSHA	5	
Wood Fiber Dust – Western Red Cedar	OSHA	2.5	
Wood Fiber Dust – Softwood	ACGIH	5	10
Wood Fiber Dust – beech/Oak Cert. Hardwood	ACGIH	1	
Carbon Black (1333-86-4)	OSHA and ACGIH	3.5	

Note: Limits shown for guidance only. Follow application regulations.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES:

Typical physical properties are given below. Consult Product Data Sheet for specific details.

Appearance: Solid
Color: Gray, Red, Brown
Odor: None
Odor Threshold - ppm: NE
pH: N/A
Boiling Point C(F): N/A
Melting Point C(F): > 110 (230)
Flash Point C(F): > 370 (698)
Flammability: NE (Flame Spread Index = 60)
Auto Flammability: 395 (743)
Explosive Properties: N/A
Oxidizing Properties: N/A
Vapor Pressure-mmHg 20C: N/A
Vapor Density: NE
Evaporation Rate: NE
Relative Density, 15/4 C: 0.96
Solubility in Water: Negligible
Partition Coefficient: NE
Viscosity at 40C, cSt: N/A
Viscosity at 100C, cSt: N/A
Pour Point C (F): N/A
Freezing Point C(F): NE
Volatile Organic Compound: NE

N/A = Not Applicable NE = Not Established D = Decomposes

SECTION 10 – STABILITY AND REACTIVITY:

STABILITY (THERMAL, LIGHT, ETC.): Stable.
CONDITIONS TO AVOID: Heat and flame. Build up of dusts.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Smoke, Carbon Monoxide, Acetaldehyde, Formaldehyde, Formic Acid, Acetic Acid.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION:

ACUTE TOXICOLOGY:

Oral Toxicity (Rats): Not established.
Dermal Toxicity (Rabbits): Not established.
Inhalation Toxicity (Rats): Not established.
Eye Irritation (Rabbits): Not established.
Skin Irritation (Rabbits): Not established.

CHRONIC TOXICOLOGY (SUMMARY):
IARC has determined that there is sufficient evidence to classify wood fiber as a human carcinogen. IARC has classified carbon black as a possible human carcinogen based on animal data. When wood fiber and carbon black are incorporated into a polymer matrix exposure is virtually eliminated.

SECTION 12 – ECOLOGICAL INFORMATION:

ENVIRONMENTAL FATE AND EFFECTS: Not established.

SECTION 13 – DISPOSAL CONSIDERATIONS:

WASTE DISPOSAL: Dispose of waste as normal refuse.

SECTION 14 – TRANSPORT INFORMATION:

HS NUMBER: 3925.90.0000
USA DOT: Not regulated by USA DOT.
IMO: Not regulated by IMO.
IATA: Not regulated by IATA.

SECTION 15 - REGULATORY INFORMATION:

GOVERNMENTAL INVENTORY STATUS: All components comply with TSCA.

U.S. SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) TITLE III: This product contains no "EXTREMELY HAZARDOUS SUBSTANCES."

SARA (311/312) REPORTABLE HAZARD CATEGORIES: CHRONIC

This product contains no chemicals reportable under SARA (313) toxic release program.

The following product ingredients are cited on the lists below:

Chemical Name	List Citations
Wood Fiber Dust	1, 2, 6
Carbon Black	8

----REGULATORY LISTS SEARCHED----

1 - ACGIH ALL	6 – IARC 1	11 – TSCA 4	17 – CA P65	22 – MI 293
2 - ACGIH AL	7 - IARC 2A	12 - TSCA 5A2	18 - CA RTK	23 - MN RTK
3 - ACGIH A2	8 - IARC 2B	13 - TSCA 5E	19 - FL RTK	24 - NJ RTK
4 - NTP CARC	9 - OSHA CARC	14 - TSCA 6	20 - IL RTK	25 - PA RTK
5 - NTP SUS	10 - OSHA Z	15 - TSCA 12B	21 - LA RTK	26 - RI RTK

CODE KEY: CARC = CARCINOGEN SUS = SUSPECTED CARCINOGEN

USE: COMPOSITE LUMBER PRODUCTS

INGREDIENT	PCT
Wood Fiber	50-60
Polyethylene	40-50
Carbon Black	< 1

SECTION 16 – OTHER INFORMATION:

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and we expressly disclaim all warranties of every kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users. Alternation of this document is strictly prohibited. Except to the extent required by law, republication or retransmission of this document, in whole or in part, is not permitted. Trex® assumes no responsibility for accuracy of information unless the document is the most current available from an official Trex® distribution system. Trex® neither represents nor warrants that the format, content or product formulas contained in this document comply with the laws of any other country except the United States of America.

MATERIAL SAFETY DATA SHEET

Trex® Reveal® Railing

SECTION 1

Supplier Name:
Trex Company
160 Exeter Drive
Winchester VA 22601

Emergency Telephone Number:
1-800-289-8739 (1-800-BUY-TREX)

6005 T6 ALUMINUM ALLOY

ZINC DIE CAST MSDS DATA

MATERIAL SAFETY DATA SHEET - TREX REVEAL RAILING
Content Page (cont'd)

ARCHITECTURAL POWDER COATING

302/304 STAINLESS STEEL SCREWS

Poly Vinyl Chloride

MATERIAL SAFETY DATA SHEET - TREX REVEAL RAILING

6005 T6 Aluminum Alloy

Chemical Name and Synonyms	Aluminum / Aluminum Alloy
Trade Name and Synonyms	Aluminum pig, rod, billet, slab, ingot
Chemical Family	Aluminum
Formula	AL

Section II – Ingredients / Alloys

Base Metal	***% Composition By Weight***	***2004 ACGIH TLV (MG/MG3)***	***OSHA 1910.1000 TWA (MG/M3)***
Aluminum, Al	80.0-99.9	10.0, as metal dust & Oxide 5.0, as welding fume	5.0 as respirable dust (PEL) 15.0 as total dust (PEL)
Alloying Element	***(Maximum composition by weight 1-20%)***	***ACGIH-TLV (MG/M3)***	***OSHA 1910.1000 TWA (MG/M3)***
Beryllium, Be	Less than 0.1% - Trace amount only	.002, as fume	.025 ceiling .005 STEL .002 PPM
Chromium, Cr	.25 max	.5 as metal .05 with water soluble compounds	1.0 as metal & insoluble salts
Copper, Cu	4.0 max	0.2 as fume 1.0 as dust/mist	0.1 as fume 1.0 as dust
Iron, FE	2.5 max	5.0 as fume/dust	10.0 as fume/dust
Magnesium, Mg	8.0 max	10.0 as oxide fume	15.0 as total particulate
Manganese, MN	2.0 max	0.2 as inorganic compound	5.0 ceiling
Nickel, Ni	Less than .001	1.5 as metal 0.1 as soluble compound	1.0 metal
Silicon, Si	13.0 max	10.0 as total dust	5.0 respirable dust (PEL) 15.0 total dust (PEL)
Sodium, Na	Less than 1.0	Hydroxide – STEL 2.0	2.0 ceiling

The elements in Section II are a representative sample only of the finished product and some of these elements may not be found in the finished product. Individual analyses may vary.

MATERIAL SAFETY DATA SHEET - TREX REVEAL RAILING

6005 T6 Aluminum Alloy

Section III – Physical Data

Boiling Point	NA	Specific Gravity (H2O=1)	2.65 – 2.80
Vapor Pressure (mm Hg.)	NA	Percent Volatile by Volume (%)	NA
Vapor Density (AIR-=1)	NA	Evaporation Rate	NA

Solubility in Water: Insoluble

Appearance and Odor: Silvery White metal - Odorless

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	Lel	Uel
NA	NA	NA	NA

Special Fire Fighting Procedures:

Do not use halogenated-extinguishing agents on small chips or fires.

Extinguishing Media:
Use coarse water spray on chips or turnings. Use Class D extinguishing agents or dry sand on fires.

Unusual Fire and Explosion Hazards:
Firefighters should use self-contained breathing apparatus. Prevent formation of dust clouds may be explosive. Molten aluminum may explode on contact with water. May react violently with water rust.

Section V – Health Hazard Data

Aluminum dust fires and fumes are low health risks by inhalation. For standard operations i.e., milling, cutting, grinding, etc. aluminum, should be treated as a nuisance dust and is so defined by the ACGIH.

Emergency First Aid Procedures:

Dust in eyes – flush for 15 minutes. Chips or sharp edges can cause cuts. Normal medical procedures for cuts.

Section VI – Reactivity Data

Stability	Unstable		Conditions to Avoid – NA
	Stable	**X**	

Incompatibility (Materials to Avoid):

Do not use Halogen or water on dust fires

Hazardous Decomposition Products:

See fire and explosion hazards and additional information.

Section VII – Spill or Leak Procedures

Steps to be taken in case material is released or spilled.

Pick up spilled scrap for remelting.

Waste Disposal Method:

Comply with Federal, State and local disposal or discharge.

Section VIII – Special Protection Information

Respiratory Protection (Specify Type):

Appropriate PPE is required when melting, casting, forging or otherwise processing. The nature of processing will determine what form of equipment is necessary.

MATERIAL SAFETY DATA SHEET - TREX REVEAL RAILING

6005 T6 Aluminum Alloy

Protective Equipment:

Glasses, goggles, respirator, gloves, ear protection and protective clothing.

User is required to match employee exposure with applicable personal protective equipment as required by OSHA standards and to comply with all OSHA standards dealing with employee protection. The personal protective equipment and respirator protection set out herein is only a guideline. Actual exposures and OSHA standards must be used to select the appropriate personal protective equipment.

Section IX – Emergency Medical Procedures

1. For skin contact, remove particulars by thoroughly washing with soap and water.
2. For eye contact, flush with water for at least 15 minutes. Get medical attention if irritation persists.

Section X – Additional Information

1. Our product in its solid state has no unusual hazards. When melting, welding, cutting, grinding, blasting, polishing, etc., which may produce a vapor, mist dust, aerosol, particulate, etc., TLV's are given for you reference on page 1.
2. The elements in the aluminum must be treated as separate entities (see concentration in Section II).
3. Halogen acids and sodium hydroxide in contact with aluminum may generate explosive mixtures of hydrogen.
4. Finely divided aluminum will form explosive mixtures in air. It will also form explosive mixtures in air in the presence of bromates, iodates or ammonium nitrate.
5. Do not touch cast aluminum metal or heated aluminum product without knowing metal temperature. Aluminum experiences no color change during heating. If metal is hot and touched, burns can result.
6. The welding of aluminum alloys may generate carbon monoxide, carbon dioxide, ozone, nitrogen oxides, infrared radiation and ultra-violet radiation.
7. All remelt aluminum may have entrapped moisture. Precautionary measures should be taken. Explosions may result. All remelt material should be preheated prior to charging.

MATERIAL SAFETY DATA SHEET - TREX REVEAL RAILING

6005 T6 Aluminum Alloy

Section XI – Additional Information - Alloys

a. Beryllium (Aluminum Beryllium) – Health Hazard Information Primary Route(s) of Exposure.

Inhalation: Inhalation of metal dust, fume or powder may result from melting, cross handling, casting, welding, grinding, crushing or similar operations which generate airborne metal particulate during use of this material

Ingestion: Hand, clothing, food and drink contact with metal dust, fume or powder can cause ingestion of particulate during hand to mouth activities such as eating, drinking, smoking, nail biting, etc.

Skin: Skin contact with this material may cause, in some sensitive individuals, and allergic response if elements such as chrome and nickel are present. In the form of metal dust or powder, skin contact or abrasion may also cause irritation or dermatitis.

Eyes: Particulate metal (dust, fume or powder) may be dangerous to the eye and surrounding tissue. Airborne particulate (chips, dust or powder) is always a potential problem as well as inserting fingers into the eye socket if the hand or clothing is contaminated with metal particulate.

Toxicity: There is no information on the toxicity of this alloy. Under normal handling and use of the solid form of this material there are few health hazards. Cutting, welding, melting, grinding, etc. of this material will product dust, fume or particulate containing the component elements of this material. Exposure to the dust fume or particulate may present significant health hazards, which are referable to the elemental constituents in Section II.

Effects of Overexposure:

Acute: The metal dust and fumes of those elements in Section II can cause irritation to the skin and mucous membranes. As dust, powder or fume, exposure, which abrades the skin, can cause irritation and dermatitis. Injury to the eyes is generally a result of particulate irritation or mechanical injury to the cornea or conjunctiva by dust or particulate. Excessive inhalation of aluminum and various aluminum alloy dusts and fumes may cause respiratory irritation, cough and bronchitis.

Chronic: Respiratory disease with symptoms ranging from shortness of breath and cough to permanent disability due to loss of lung function, fibrosis or subsequent effects on the heart may be caused by excessive exposure to dust or fumes containing beryllium. Beryllium metal and certain compounds have been linked to lung cancer. Inhalation of beryllium in excess concentrations can cause a serious lung disease, berylliosis. Aluminum has been indicated to cause gastro-intestinal disorders and non-significant changes in the lung.

Carcinogenic References:

Beryllium metal and some of its compounds have been listed in the 3rd Annual Report on Carcinogens as prepared by National Toxicology Program (NT) as well as the International Agency for Research on Cancer (IARC) Monograph Series. Detailed information form these sources may be obtained from the following: IARC, Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Man; Geneva, WHO, IARC 1972-1977 (multi-volume work) 29 Sheridan Street, Albany, NY 12219. Third Annual Report on Carcinogens, Summary, September, 1983 NTP 82-330 NTP Public Information Office, MD B2-03 Box 12233, Research Triangle Park, NC 27709.

Medical Conditions Aggravated by Exposure:

Persons with impaired pulmonary function, airway diseases and conditions such as asthma, emphysema, chronic bronchitis, etc., may incur further disability if excessive concentrations of dust or fume are inhaled. If prior damage or disease to the Neurologic (nervous), Circulatory, Hematologic (blood) or Renal (kidney) systems has occurred, proper screening or examinations should be conducted on individuals who may be exposed to further risk if handling and use of this material causes excessive exposure.

*Source of information - NGK Metals Corporation
Environmental, Health and Safety Services
PO Box 13367
Reading, PA 19612-3367
(215) 921-5000

b. Chromium

EFFECTS OF OVEREXPOSURE

Effects, associated with overexposure to metal dust, may include respiratory irritation, conjunctivitis, pneumoconiosis, etc.

EMERGENCY AND FIRST AID PROCEDURES:

If irritation occurs, flush eyes, wash skin, remove to fresh air, as applicable. Contact physician.

MATERIAL SAFETY DATA SHEET - TREX REVEAL RAILING

6005 T6 Aluminum Alloy

PRIMARY ROUTE OF ENTRY:
Inhalation
CARCINOGENICITY RATING:
The International Agency for Research on Cancer has determined a "Causal" association between occupational exposures to chromium and certain chromium compounds and cancer in humans. This determination was based on evidence where exposures were essentially to hexavalent chromium compounds. The products covered in this data sheet contain chromium in the metallic state.

The American Conference of Governmental Industrial Hygienists has reviewed the available data and concluded that chromium metal is not carcinogenic to humans.

*Source of information - Shield Alloy Corporation
West Boulevard
Newfield, NJ 08344
(609) 692-4200

c. **Copper (Canned Copper)** – Prolonged exposure to copper fume and dust can result in upper respiratory tract irritation, nausea and metal fumes fever.

*Source of Information - U.S. Reduction Company
2025 175th Street
Lansing, IL 60438
(312) 895-9400

d. Iron (Pig Iron) – No toxic effects would be expected from its normal inert solid form. Prolonged, repeated exposure to fumes or dusts generated during heating may cause adverse health effects associated with the following constituents:

Iron	OSHA Std.	10 mg/m3
Carbon	OSHA Std.	.5 mg/m3
Silicon	OSHA Std.	15 mg/m3

No TLV's listed or pig iron. TLV's may be applicable to constituent elements.

Skin Contact: None
Eye Contact: None
Ingestion: None

*Source of Information - Pickands Mather & Company
100 Superior Avenue
Cleveland, OH 44114
(216) 694-5380

MATERIAL SAFETY DATA SHEET - TREX REVEAL RAILING

6005 T6 Aluminum Alloy

e. **Magnesium Primary Ingot, MI –** Health Hazard Data

Eye:	Mechanical injury only
Skin Contact:	Mechanical injury only. Molten material may burn skin.
Skin Absorption:	Skin absorption is unlikely due to physical properties.
Ingestion:	Ingestion is unlikely due to physical state. If dusts are produced, amounts ingested incidental to industrial handling are not likely to cause injury: However, ingestion of larger amounts could cause serious injury, even death, because the acute or oral toxicity of magnesium is considered moderate.
Inhalation:	Dust may cause irritation to upper respiratory tract.

Systemic and Other Effects: Based on available data, repeated exposures are not anticipated to cause any significant adverse effects.

*Source of Information - Dow Chemical USA
Midland, MI 48674
(517) 636-4400

f. Manganese (Metal)

FIRST AID PROCEDURES:

Inhalation:	Remove from dusty area to fresh air.
Skin Contact:	No hazard associated with skin contact.
Eye Contact:	Flush with water to be sure that no particles remain in the eye.

EFFECTS OF OVEREXPOSURE:

Acute: Dusts in high concentrations can cause irritation of the eyes and throat. Manganese fume fever is characterized by cold-like symptoms. No residual injury is expected from acute overexposure.

Chronic: Central nervous system disorders may develop in isolated cases. No physical disorders are expected. Chronic effects usually require 3 years of overexposure to develop. No residual injury is expected from handling lump or coarse material.

*Source of Information – Elkem Metals Company
PO Box 1344
Niagara Falls, NY 14302
(716) 286-7548

MATERIAL SAFETY DATA SHEET - TREX REVEAL RAILING

6005 T6 Aluminum Alloy

g. Silicon

Routes of Exposure	Yes	No	Acute Exposure Symptoms	Chronic Exposure Symptoms	Emergency Treatment & 1st Aid
Inhalation	X		Irritation, Coughing	Respiratory System Irritation	Move to well-ventilated area
Skin Contact		X			
Skin Absorption		X			
Eye Contact (DUST)	X		Mechanical Irritation		Flush eyes with water
Ingestion					

*Source of Information - Globe Metallurgical Inc.
PO Box 157
Beverly, OH 45715
(615) 984-2361

Section XII – SARA HAZARD NOTIFICATION
(40 C.F.R. Part 370): Immediate
Section 313 – Toxic Chemicals

This product contains the following substances which are defined as toxic chemicals under and subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and to C.F.R. part 372:

Toxic Chemical Name	Chemical Abstract Service Registry	Percent by Weight & Product
Aluminum	7429-90-5	80.0-99.9
Beryllium	7440-41-7	Less than 0.1
Chromium	7440-47-3	.25 max
Copper	7440-50-8	4.0
Lead	7439-92-1	
Manganese	7439-96-5	1.2 max
Nickel	7440-02-0	Less than .001
Zinc	7440-66-6	.20 max

MATERIAL SAFETY DATA SHEET - TREX REVEAL RAILING

6005 T6 Aluminum Alloy

ALUMINUM ALLOYS
INGREDIENTS WHICH MAY BE GREATER THAN OR EQUAL TO 1%

6005-T6

Silicon
Iron
Copper
Manganese
Magnesium
Chromium
Zinc
Aluminum

MATERIAL SAFETY DATA SHEET - TREX REVEAL RAILING

ZINC DIE CAST MSDS DATA

PRODUCT NAME: Zinc Casting Alloys DATE PREPARED: April 30, 2013

SECTION I – HAZARDOUS INGREDIENTS / IDENTITY INFORMATION*

CHEMICAL NAME	**CAS#**	**WEIGHT PERCENT RANGE**	**OSHA EXPOSURE LIMIT (TWA)**	**ACGIH TLV**
Zinc	7440666	71.5-96	10 (total) 5 (Respirable)	10 (TWA)
Aluminum	7429905	4 – 28	15 (total) 5 (Respirable)	10 (TWA)
Copper	7440508	0 – 3.5	1 (Dust)	1 (TWA)

*NOTE: When heated excessively, oxide fumes “may” be produced.
The following applies to oxide fumes:

Zinc Oxide	1314132	NA	5	5 (TWA)
Aluminum Oxide	1444281	NA	5	10 (TWA)
Copper	7440508	NA	0.1	0.2 (TWA)

MATERIAL SAFETY DATA SHEET - TREX REVEAL RAILING

ZINC DIE CAST

SECTION II – PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance and Odor: Bluish – white metal

Boiling Point:	1,665°F	Specific Gravity: 5.0-6.7
Melting Point:	Range 707-903°F	% Volatile by Volume: N/A
Vapor Pressure :	N/A	Vapor Density: N/A
Solubility in Water:	Negligible	Evaporation Rate: N/A
Solubility in Alcohol:	Negligible	

SECTION III – FIRE AND EXPLOSION HAZARD DATA

Flash point: N/A Flammable Limits: N/A Lel: N/A Uel: N/A

Extinguishing Media	Do not use water on burning metal: use dry powder extinguisher
Special Fire Fighting Procedures	Wear self-contained breathing apparatus.
Unusual Fire and Explosion Hazards	When heated excessively (Beyond melting point - >1,500°F) metal vapor burns in the air with a bright greenish-yellow flame to product zinc oxide fume.

SECTION IV – REACTIVITY DATA

Stability: Hazardous Polymerization:

Unstable: Stable: X Will Occur: Will Not Occur: X

Incompatibility (Materials to avoid):

Strong acids, halogen gases, oxidizers

Decomposition products: N/A Conditions to be avoided: N/A

Section V – HEALTH, FIRST AID AND MEDICAL TREATMENT

Routes of Entry: Routes of entry possible during subsequent operations – i.e. melting, welding, machining.

Inhalation: X Ingestion: X

Health Hazards (acute and chronic):

Inhalation of zinc oxide fume may cause “metal fume fever”.
Ingestion may irritate lining of stomach and intestines.

MATERIAL SAFETY DATA SHEET - TREX REVEAL RAILING

ZINC DIE CAST

Signs and Symptoms of Exposure:

Symptoms of "metal fume fever": fever, chill, metallic taste, chest tightness.

Symptoms of Ingestion: fever, stomach cramps, diarrhea

Emergency First Aid Procedures:

Terminate exposure and remove patient to fresh air. Refer patient to a physician. Avoid inhalation of dusts generated in any secondary operations.

Other Potential Health Risks:

Carcinogenicity: No reported chronic toxicity.

NTP: No IARC Monographs: No OSHA Regulated: No

Medical Conditions Generally Aggravated by Exposure:

Emphysema, Asthma

SECTION VI – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled:

If large quantities of dust are generated, use industrial vacuum to clean up. Molten metal should be
allowed to solidify prior to clean up.

Waste Disposal Method:

Reclaim using standard industrial practices (remelt). Dispose of dusts using approved methods consistent with applicable local, state and federal regulations.

Precautions to Be Taken In Handling and Storing:

Keep dry; if alloy becomes wet, alloy to dry before melting.

MATERIAL SAFETY DATA SHEET - TREX REVEAL RAILING

SECTION VII – CONTROL MEASURES

*Respiratory Protection (specify type)

*NIOSH /OSHA approved respirator for nuisance dust when fume levels exceed TLV.

*VENTILATION: Special: N/A
Mechanical (general): N/A
Other: N/A

Local Exhaust: Use as required to prevent fume from exceeding TLV.

*PROTECTIVE GLOVES: Recommended when significant skin contact can occur.

*EYE PROTECTION: Consistent with industrial safety practices for grinding or machining nonferrous metals or handling molten metal.

*OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Consistent with material handled (heat resistant when working with molten metal).

*WORK / HYGIENIC PRACTICES: Wash after handling alloys.

ADDITIONAL INFORMATION

EPCRA REGULATIONS

This material contains substances that are reportable under the emergency planning and community right-to-know act. Refer to 40CFR370 for guidance.

MATERIAL SAFETY DATA SHEET - TREX REVEAL RAILING

Architectural Powder Coating

SECTION I – PRODUCT AND COMPANY INFORMATION

Product Name: AAMA 2604 BLACK TEX

Product Code: 10012-91616

FMIS HAZARD RATING: Health: 2 Fire: 1 Reactivity: 1 PPI: X

SECTION II – INGREDIENT INFORMATION

Ingredient	CAS Number	Percentage
BARIUM SULFATE	7727-43-7	15-30%
CARBON BLACK	1333-86-4	0-5%
TITANIUM DIOXIDE	1346367-7	0-5%
POLYESTER RESIN	-	60-70%

SECTION III – HAZARDS IDENTIFICATION

This cured coating product is a homogeneous composite in which the other unlisted ingredients are dispersed and encapsulated in a resin binder. During the manufacturing application process the ingredients listed may vary slightly dependent on color chosen.

MATERIAL SAFETY DATA SHEET - TREX REVEAL RAILING

302/304 Stainless Steel Screws

1- PRODUCT IDENTIFICATION

Product Identifier: Steel

Product Description: Wire, rod, bar, billet, plate, tube, and other shaped products. (All grades of steel).

Use: Wire products, including super elastic, thermal activated, high force, open and closed coil springs, including molar distalizing and separators.

2- COMPOSITION/INFORMATION ON COMPONENTS

IMPORTANT! This section covers materials that may be present in the steel article purchased. Dependent on the customers' end use, such as welding or grinding the metal, fumes, gases, and particulates may be generated; see Section 3 for possible contaminant exposure levels.

Component	(CAS No.)	Wt.%	PEL (mg/m^3)	TLV (mg/m^3)	Supplemental Information
Iron	(7439-89-6)	<99.0	10	5	PEL for iron oxide/TLV for welding fume
Chromium	(7440-47-3)	<35.0	1	0.5	
Nickel	(7440-02-0)	<35.0	1	0.5	
Manganese	(7439-96-5)	<10.0	5C	0.2	
Molybdenum	(7439-98-7)	<10.0	15	10	TLV for insoluble compounds
Tungsten	(7440-33-7)	<6.5	NL	5	TLV for insoluble compounds
Cobalt	(7440-48-4)	<4.5	0.1	0.02	
Copper	(7440-50-8)	<4.5	1 0.1	1 0.05	PEL/TLV for dust/mist PEL/TLV for fumes
Vanadium	(7440-62-2)	<4.5	.01.05	0.05	PEL/TLV for respirable van. pentoxide
Silicon	(7440-21-3)	<2.5	15(T) 5 (R)	10 -	
Titanium	(7440-32-6)	<2.5	15	10	PEL and TLV for titanium dioxide
Aluminum	(7429-90-5)	<2.0	15(T) 5 (R)	10 5	 TLV as aluminum in welding fume
Columbium	(7440-03-1)	<1.1	NL	NL	
Sulfer	(7704-34-9)	<0.45	13	5.2	PEL and TLV for sulfur dioxide
Phosphorus	(7723-14-0)	<0.45	0.1	0.1	
Tin	(7740-25-7)	<0.05	2	2	PEL and TLV for inorganic tin
Tantalum	(7440-25-7)	<0.02	2	5	
Boron	(7440-42-8)	<0.01	15	10	PEL and TLV for boron oxide

MATERIAL SAFETY DATA SHEET - TREX REVEAL RAILING

302/304 Stainless Steel Screws

3- HAZARD IDENTIFICATION

Health Hazard Overview: As shipped this product has no known toxicological properties. User generated dust and /or fumes can liberate hazardous contaminants when operations such as welding, brazing, grinding, cutting, etc. are performed.

The composition of the user generated dust and/or fumes will depend on how the user alters the product both mechanically and/or chemically. Thus it is the users responsibility to assess potential generated contaminant exposures based on their processing of the product.

For informational purposes, outlined below are potential health effects of the metal components present. Liberation of these components and/or potential concentrations is dependent on how the Metal is altered by the user. Additionally, when evaluating potential contaminant exposures, the product may have applied a metallic or non –metallic coating dependent on the customer's specifications. MATERIAL SAFETY DATA SHEET - TREX REVEAL RAILINGs on the specific coating applied, if employed, are attached.

Potential Contaminant Exposures and Associated Health Effects:

Welding Fumes: Welding fumes are defined as fumes generated by manual arc or oxy-acetylene welding of iron, mild steel, or aluminum. Excessive exposures to welding fumes can cause metal fume fever, which results from exposure to freshly formed metal fume. Symptoms are flu-like, including dyspnea, coughing, muscle pains, fevers, and chills. Exposure may also cause respiratory irritation. In addition, exposure to the particular metal (nickel, chromium, etc.) liberated may pose additional toxic effects.

Iron Oxide: Chronic exposure, usually six to ten years, to iron oxide dust/fume may result in Siderosis, an accumulation of iron dust in the lungs. Siderosis is considered a benign condition and does not progress to the carcinogenic state.

Chromium: The level of toxicity of chromium is dependent on its oxidation state (i.e. solubility). Chromium metal is relatively non-toxic. When the metal is heated to high temperatures, such as welding, fumes produced may be very toxic, especially to the lungs. Under these high temperatures, hexavalent chromium may be produced, which in its insoluble form is designated as a confirmed human carcinogen (bronchogenic carcinoma). Other health effects include nasal irritation, and possible kidney and liver damage. Chromate dust may also cause skin ulcerations, dermatitis, and allergenic skin reactions.

MATERIAL SAFETY DATA SHEET - TREX REVEAL RAILING

302/304 Stainless Steel Screws

Nickel: Nickel metal is a cause of contact dermatitis in sensitized individuals. Based on a review of health data from exposed nickel refinery workers, the National Institute for Occupational Safety and Health (NIOSH) has reported that nickel metal and all inorganic nickel forms, when airborne, should be considered carcinogenic. The International Agency for Research on Cancer (IARC) has listed nickel compounds as carcinogenic to humans based on epidemiological and animal studies.

Manganese: Acute exposures can result in metal fume fever. Chronic exposures affect the central nervous system, with early symptoms including languor, sleepiness, and weakness in the legs. Emotional disturbances and spastic gait with tendency to fall during walking are observed in more advanced cases.

Molybdenum: Molybdenum compounds exhibit a low order of toxicity. Fumes from arcing molybdenum metal cause kidney and liver damage in experimental animals. Inhalation of high concentrations may be irritating to the respiratory tract.

Tungsten: Insoluble tungsten at high concentrations during tungsten carbide machining may cause hard metal disease, accompanied by pulmonary fibrosis. The disease is characterized by cough, dyspnea, and sneezing, with a high incidence of minor radiological abnormalities.

Cobalt: Potential symptoms to cobalt metal, fume, and dust include cough, dyspnea, fibrosis, and respiratory hypersensitivity. Cobalt liberation during tungsten machining is also associated with hard metal pneumoconiosis, and the development of hypersensitivity asthma in some workers. Repeated skin contact can cause sensitivity and allergic skin rashes. Animals injected with cobalt powders develop carcinogenic tumors.

Copper: Copper itself probably has little or not known toxicity, although there are conflicting reports in the literature. Fumes and dust may be irritating to the upper respiratory tract and as a sublimed oxide may be responsible for metal fume fever.

Vanadium: Vanadium itself is considered nontoxic; however, during smelting or refining, the oxides of Vanadium are toxic. Vanadium Pentoxide exposure is associated with, eye, skin, and respiratory irritation, conjunctivitis, and pulmonary damage.

Silicon: Elemental silicon is an inert material which appears to lack the property of causing fibrosis in lung tissue.

Titanium: Titanium and several of its compounds are considered to pose extremely low toxicity. Most of the available studies suggest that inhaled titanium dioxide is biologically inert.

Aluminum: Aluminum powder is an eye, skin, and respiratory irritant. Exposures to finely divided aluminum powder have been reported to cause pulmonary fibrosis with encephalopathy. Fumes associated with aluminum soldering flux have been reported to result in a delayed type of asthma. May be implemented in Parkinson's disease.

Columbium: No health information found in literature search.

Sulfur: Symptoms of inhalation include respiratory irritation, sneezing, and coughing. Sulfur is irritating to skin; repeated contact may induce allergenic response. Sulfur is an eye irritant. Chronic exposure to sulfur dioxide may cause permanent pulmonary impairment, which is caused by repeated episodes of bronchoconstriction. Sulfur dioxide is also extremely irritating to the respiratory tract and eyes.

Phosphorus: Phosphorus causes thermal and chemical burns on skin contact and will be absorbed by the skin. Phosphorus is highly toxic, associated with bone destruction and anemia. Ocular irritation and damage is associated with white phosphorus fumes.

Tin: Exposure to dust or fumes of tin is known to cause stannosis, a benign pneumoconiosis. The condition is characterized by no distinctive fibrosis, no evidence of disability, and no special complicating factors.

Tantalum: The toxicity of metallic tantalum is low, probably due to its poor solubility.

Boron: Elemental boron is not considered a poison. Boric acid and boron derivatives, when ingested or absorbed through the skin or mucous membranes for long periods, causes anorexia, vomiting, skin rash, convulsions, and anemia.

4- FIRST AID MEASURES

As shipped, the likelihood for hazardous consequences through inhalation, skin, or eye contact, or ingestion is considered to be minimal. The following measures are for exposures to dust or fumes.

Inhalation: Remove from exposure. If breathing difficulty occurs, or coughing persists, get prompt medical attention.

MATERIAL SAFETY DATA SHEET - TREX REVEAL RAILING
302/304 Stainless Steel Screws

FIRST AID MEASURES (Cont'd)

Skin/Eye Contact: Flush eyes with plenty of water for at least 15 minutes. If irritation persists, seek medical attention. Wash skin with soap and water to remove metallic particles. If a rash develops, seek medical attention.

Ingestion: Seek medical attention.

5- FIRE FIGHTING MEASURES

Flashpoint and Method: Not applicable.

Flammable Limits: Not applicable.

Auto-ignition Temperature: Not applicable.

General Hazard: In the form shipped, these specialty metals are not combustible. Note: Special care may be required for firefighting the metal, if reduced to particulates. (Dust)

Firefighting Instructions: No special equipment for product as shipped.

Firefighting Equipment: No special equipment for product as shipped.

Hazardous Combustion Products: In the form shipped, hazardous decomposition products are not expected.

6- ACCIDENTAL RELEASE MEASURES

Land/Water Spill: As shipped this product does not pose a hazard to the environment.

7- HANDLING AND STORAGE

Storage Temperature: Not applicable.
Storage Pressure: Not applicable.
General: Store material away from incompatible materials (see Section 10).

8- EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls: The use of local exhaust ventilation is recommended to control emissions near the source of where the metal is being altered (i.e. welding, grinding, etc.).

Personal Protection: When handling the product, leather gloves are recommended

MATERIAL SAFETY DATA SHEET - TREX REVEAL RAILING
302/304 Stainless Steel Screws

Wear appropriate personal protective equipment based on operations performed, such as safety glasses with side shields, when grinding or sawing the product.

Based on your processing of the product, if industrial hygiene monitoring reveals overexposures, refer to Section 2 for exposure limit values. Engineering controls are required to reduce exposures below mandated exposure limits (OSHA PELs). In the absence of feasible engineering controls, or in the interim of implementing engineering controls, wear a NIOSH approved respirator for the protection form particulates (high efficiency particulate absolute (HEPA) filter cartridge). Respiratory selection should be chosen in accordance with NIOSH's Respirator Decision Logic Publication No. 87-108.

9-

Vapor Pressure: Not applicable
Specific Gravity (H2O=1): 7.5-8.5
Solubility in Water: Insoluble
PH: Not applicable
Boiling Point: Not applicable
Viscosity: Not applicable
Vapor Density (Air=1): Not applicable
Evaporation Rate: Not applicable
Freezing Point: Not applicable
Odor: Odorless
Appearance: Gray in Color
Physical State: Solid

10- STABILITY AND REACTIVITY

General: As shipped, this product is stable and hazardous polymerization will not occur.

Incompatible Materials and Conditions to Avoid: Acids, bases, and oxidizers.

Hazardous Decomposition: None for product as shipped.

11- DISPOSAL CONSIDERATIONS

General: Consult an expert on the disposal of recovered material. Ensure disposal is in compliance with governmental requirements and ensure conformity to federal, state, and local regulations. Remember, scrap metal can be recycled.

MATERIAL SAFETY DATA SHEET - TREX REVEAL RAILING
302/304 Stainless Steel Screws

12- TRANSPORTATION INFORMATION

Dot (Department of Transportation)
Proper Shipping Name: Not applicable
Hazardous Class: Not applicable
Identification Number: Not applicable

13- REGULATORY INFORMATION

TSCA (Toxic Substances Control Act): Not applicable
CERCLA (Comprehensive Response Compensation and Liability Act): Not applicable

SARA Title III Superfund Amendments and Reauthorization Act):
311/312 Hazardous Categories: Not applicable for storage of item as shipped; however if processed, user end product may require reporting.

313 Reportable Ingredients: Chromium, nickel, manganese, cobalt, copper, vanadium, aluminum, and phosphorus.

Carcinogenicity (OSHA, Hazard Communication)
NTP National Toxicology Program: Not applicable

JARC International Agency for Research on Cancer: Not applicable

Other: Not applicable

Note: Dependent on customers' end use, components may be liberated that may be carcinogenic (refer to Section 3)

14- OTHER INFORMATION

This information relates to this specific material. It may not be valid for this material if used in combination with any other materials or in any process. It is the user's responsibility to satisfy oneself as the suitability and completeness of this information for his/her own particular use.

The information, recommendations, and suggestions contained in the material safety data Sheet was compiled from reference materials believed to be reliable. However, the fact sheet's accuracy or completeness is not guaranteed by either ODP, Inc., nor is any responsibility assumed or implied for any loss or damage resulting from inaccuracies or omissions. Since conditions are beyond our control, we expressly disclaim all warrantied, including warranties of merchantability and fitness for a particular purpose. This fact sheet is not intended as a license to operate under, or recommendations to infringe upon any patents. Appropriate warnings and safe handling procedures should be provided to handlers and users, including all applicable OSH rules and regulations.

MATERIAL SAFETY DATA SHEET - TREX REVEAL RAILING

Polyvinyl Chloride

AP1000(XX), AP2000(XX) Weatherable, Type II Rigid PVC Compound, Purge Compound

Section I – Hazardous Ingredients/ Information

Hazardous Components:	OSHA PEL	ACGIH-TLV	CAS NUMBER
Vinyl Chloride Monomer	1 ppm/8hr TWA	5 ppm	75-01-4
Titanium Dioxide	15mg/CM	10mg/CM	13463-67-7
Calcium Carbonate	15mg/CM (total dust)	15mg/CM (total dust)	1317-65-3
Calcium Stearate	(not established)	10mg/CM	1592-23-0
Organotin Compound	0.1mg/m3	0.1mg/m3	NJTSN 03365400-5002P

This product is predominately polyvinyl chloride, a substance not considered to be a hazardous chemical based on evaluations made by our company under the OSHA Hazard Communication Standard, 29 C.F.R. & 1910.1200.

Section II – Physical/Chemical Characteristics

Specific Gravity (H_2O = 1):
>1.2
Solubility in Water:
Slight

Appearance and Odor:
Fine powder of various colors. Bland odor.

Section III – Fire and Explosive Hazard Data

Flash Point (Method Used):
735°F (COC)

Extinguishing Media:
Water or ABC dry chemical

Special Fire Fighting Procedures:
Fire fighters should use self-contained breathing apparatus in the positive pressure mode.

Unusual Fire and Explosion Hazards:
This product evolves hydrogen chloride, carbon monoxide, and small amounts of various hydrocarbons when burned. Carbon monoxide and carbon dioxide are asphyxiates and hydrogen chloride is an irritant and corrosive.

MATERIAL SAFETY DATA SHEET - TREX REVEAL RAILING

Polyvinyl Chloride

Section IV – Reactivity Data

Stability:	**Conditions to Avoid:**
Stable	Prevent cross contamination of feed stocks

Hazardous Decomposition or By Products:
Hydrogen chloride, carbon monoxide, and carbon dioxide

Hazardous Polymerization:
Will not occur

Section V – Health Hazard Data

Route(s) of Exposure:	**Inhalation**	**Skin**	**Ingestion**
	Yes	Yes	No

Health Hazards (Acute and Chronic):
Inhalation may cause nausea, discomfort, and central nervous system effects. Exposure to dust may cause irritation of skin, eyes, and respiratory tract.

Carcinogenicity:	**NTP**	**IARC Monographs**	**OSHA Regulated**
	No	No	No

Signs and Symptoms of Exposure:
Nausea, discomfort, headache, dizziness, eye, skin, and respiratory tract irritation.

Emergency and First Aid Procedures:
If symptoms occur, remove affected individual form the area. Wash or flush affected areas thoroughly with flowing water for 15 minutes. Wash skin with mild soap and water. Irritation persists, seek medical attention.

Section VI – Precautions for Safe Handling and Use

Steps to be taken in Case Material is Released or Spilled:
Vacuum or sweep into closed container.

Waste Disposal Method:
Dispose of waste in a licensed landfill or by incineration in accordance with federal, state and local laws and regulations.

MATERIAL SAFETY DATA SHEET - TREX REVEAL RAILING

Polyvinyl Chloride

Section VI – Reactivity Data (Cont'd)

Precautions to be taken in Handling and Storing:

Inhalation of dust should be avoided. Exercise care when dumping bags, sweeping, mixing or performing other tasks that might create dust.

Section VII – Control Measures

Respiratory Protection:
Where large amounts of dust may occur, wear NIOSHA/MSHA approved dust/mist respirator.

Protective Gloves:
Wear protective gloves if handling hot material.

Eye Protection:
Safety glasses are recommended when handling this product.

SARA Title III
This product does not contain any toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization ACT of 1986 and C.F.R. Part 372.

Information contained herein is believed to be true and accurate, but all statements or suggestions are made without warranty, express or implied, regarding the accuracy of information, the hazards connected with the use of the material or the result to be obtained for the use thereof. Compliance with all applicable federal, state, and local laws and regulations remain the responsibility of the user.

FICHA DE DATOS DE SEGURIDAD

Fecha de revisión: *18-nov.-2021* **Número de Revisión:** *6*

1. IDENTIFICACIÓN DEL PRODUCTO Y DE LA EMPRESA

Nombre Del Producto	**REGAL SELECT PREMIUM INTERIOR PAINT & PRIMER, PEARL FINISH WHITE**
Código del producto	**55001**
Código de producto alternativo	55001
Clasificación de producto	Pintura al agua
Color	Blanco
Uso recomendado	Pintura
Restricciones de uso	No hay información disponible

Fabricante
Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
Teléfono: 1-866-708-9180
www.benjaminmoore.com

Teléfono de emergencia
CHEMTREC: + 1703-741-5970 / 1-800-424-9300
+1 703-527-3887 (fuera de EE. UU. Y Canadá)

2. IDENTIFICACION DE LOS PELIGROS

Clasificación

Este producto químico no se considera peligroso de acuerdo con la Norma de comunicación de peligros OSHA de 2012 (29 CFR 1910.1200)

Elementos de la etiqueta

Sustancia o mezcla no peligrosa de acuerdo con el Sistema Globalmente Armonizado (SGA)

Aspecto Líquido **Olor** poco o ningún olor

Peligros no clasificados de otra manera (HNOC)
No es aplicable

Otros datos
No hay información disponible

ADVERTENCIA: Este producto contiene compuestos de isotiazolinona a niveles de <0.1%. Estas sustancias son biocidas que se encuentran comúnmente en la mayoría de las pinturas y en una variedad de productos de cuidado personal como conservante. Ciertas personas pueden ser sensibles o alérgicas a estas sustancias, incluso en niveles bajos.

3. COMPOSICIÓN INFORMACIÓN SOBRE LOS COMPONENTES

Nombre químico	Nº CAS	% en peso
Dióxido de titanio	13463-67-7	15 - 20
Kaolin	1332-58-7	5 - 10
Kaolin, calcined	92704-41-1	1 - 5
Sodium C14-C16 olefin sulfonate	68439-57-6	0.1 - 0.5

4. PRIMEROS AUXILIOS

Consejo general No hay peligros que requieran medidas de primeros auxilios especiales.

Contacto con los ojos Lávese a fondo con agua abundante durante 15 minutos por lo menos y consulte al médico.

Contacto con la piel Lavar inmediatamente con jabón y abundante agua y quitarse la ropa y el calzado contaminados.

Inhalación Salir al aire libre. En el caso de molestias prolongadas acudir a un médico.

Ingestión Lavar la boca con agua y después beber agua abundante. Si es necesario consultar a un médico.

Síntomas y Efectos Más Importantes Ninguno conocido.

Notas para el médico Tratar los síntomas.

5. MEDIDAS DE LUCHA CONTRA INCENDIOS

Medios de extinción apropiados Utilizar medidas de extinción adecuadas a las circunstancias locales y al entorno.

Equipo de protección y medidas de precaución para el personal de lucha contra incendios Como en cualquier incendio, llevar un aparato de respiración autónomo de presión a demanda MSHA/NIOSH (aprobado o equivalente) y todo el equipo de protección necesario.

Riesgos Específicos Derivados del Producto Químico Los contenedores cerrados pueden estallar si se exponen al fuego o a temperaturas extremas.

Sensibilidad a impactos mecánicos No

Sensibilidad a descargas estáticas No

Datos sobre el Punto de Inflamación

Punto de inflamación (ºF)	No es aplicable
Punto de Inflamación (°C)	No es aplicable
Método	No es aplicable

Límites de Inflamabilidad en el Aire

Límite inferior de inflamabilidad	No es aplicable
Límite superior de inflamabilidad:	No es aplicable

NFPA **Salud:** 1 **Inflamabilidad:** 0 **Inestabilidad:** 0 **Especial:** No es aplicable

Leyenda NFPA
0 - No peligroso
1 - Ligeramente
2 - Moderado
3 - Alto
4 - Grave

Las valoraciones asignadas son únicamente sugerencias, el contratista/empleador es el último responsable de las valoraciones NFPA (Asociación Estadounidense de Protección contra Incendios) cuando se utiliza este sistema.

Información adicional referida al sistema de valoración NFPA está disponible a través de la Agencia Nacional de Protección contra el Fuego (NFPA) en: www.nfpa.org.

6. MEDIDAS EN CASO DE VERTIDO ACCIDENTAL

Precauciones personales Evítese el contacto con los ojos, piel o ropa. Asegúrese una ventilación eficaz.

Otra información Prevenir más fugas o vertidos si se puede hacer de forma segura.

Precauciones relativas al medio ambiente Para obtener más información ecológica, ver el apartado 12.

Métodos de limpieza Empapar con material absorbente inerte. Barrer y recoger en contenedores apropiados para su eliminación.

7. MANIPULACIÓN Y ALMACENAMIENTO

Manipulación Evítese el contacto con los ojos, piel o ropa. Evitar respirar los vapores, neblinas pulverizadas o polvo de lijado. En caso de ventilación insuficiente, use equipo respiratorio adecuado.

Almacenamiento Consérvese el envase bien cerrado Manténgase fuera del alcance de los niños.

Materiales incompatibles No hay información disponible

8. CONTROLES DE EXPOSICIÓN/PROTECCIÓN INDIVIDUAL

Límites de exposición

Nombre químico	ACGIH TLV	OSHA PEL
Dióxido de titanio	TWA: 10 mg/m³	15 mg/m³ - TWA
Kaolin	TWA: 2 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter	15 mg/m³ - TWA 5 mg/m³ - TWA

Leyenda
ACGIH - Conferencia americana de higienistas industriales gubernamentales
OSHA - Administracion de salud y seguridad
N/E - No establecido

Medidas técnicas Asegurar una ventilación adecuada, especialmente en áreas confinadas.

Equipo de protección personal

Protección ocular y de la cara Gafas de seguridad con protección lateral.

Protección de la piel Ropa y guantes protectores impermeables.

Protección respiratoria En caso de ventilación insuficiente, usar equipo de respiración adecuado.

Medidas higiénicas Evítese el contacto con los ojos, piel o ropa. Quítese la ropa contaminada y lávela antes de ser reutilizada. Lávese cuidadosamente después del manejo.

9. PROPIEDADES FÍSICAS Y QUÍMICAS

Aspecto	Líquido
Olor	poco o ningún olor
Umbral olfativo	No hay información disponible
Densidad (lbs/gal)	10.6 - 11.0
Densidad relativa	1.27 - 1.32
pH	No hay información disponible
Viscosidad (cps)	No hay información disponible
Solubilidad(es)	No hay información disponible
Solubilidad en el agua	No hay información disponible
Índice de Evaporación	No hay información disponible
Presión de vapor	No hay información disponible
Densidad de vapor	No hay información disponible
Wt. % Sólidos	50 - 60
Vol. % Sólidos	35 - 45
Wt. % Volátiles	40 - 50
Vol. % Volátiles	55 - 65
Límite Regulador de COV (g/L)	0
Punto de ebullición (°F)	212
Punto de ebullición (°C)	100
Punto de congelación (ºF)	32
Punto de congelación (°C)	0
Punto de inflamación (ºF)	No es aplicable
Punto de Inflamación (°C)	No es aplicable
Método	No es aplicable
Inflamabilidad (sólido, gas)	No es aplicable
Límite superior de inflamabilidad:	No es aplicable
Límite inferior de inflamabilidad	No es aplicable
Temperatura de autoignición (°F)	No hay información disponible

Temperatura de autoignición (°C)	No hay información disponible
Temperatura de descomposición (°F)	No hay información disponible
Temperatura de descomposición (°C)	No hay información disponible
Coeficiente de partición	No hay información disponible

10. ESTABILIDAD Y REACTIVIDAD

Reactividad	No es aplicable
Estabilidad química	Estable en condiciones normales.
Condiciones que deben evitarse	proteger de la congelación.
Materiales incompatibles	Ningún material a mencionar especialmente.
Productos de descomposición peligrosos	Ninguno bajo el uso normal.
Posibilidad de reacciones peligrosas	Ningunos bajo condiciones normales del uso.

11. INFORMACIÓN TOXICOLÓGICA

Información del producto

Información sobre posibles vías de exposición

Vía de Base de Exposición Contacto con los ojos, con la piel e inhalación.

Toxicidad aguda

Información del producto No hay información disponible

Síntomas relacionados con las características físicas, químicas y toxicológicas

Síntomas No hay información disponible

Efectos retardados e inmediatos, así como efectos crónicos producidos por una exposición a corto y largo plazo

Contacto con los ojos	Puede provocar una ligera irritación.
Contacto con la piel	La sustancia puede provocar irritación cutánea leve. El contacto prolongado o repetido puede resecar la piel y provocar irritación.
Inhalación	Puede provocar irritación del tracto respiratorio.
Ingestión	La ingestión puede causar irritación gastrointestinal, náuseas, vómitos y diarrea.
Sensibilización	No hay información disponible
Efectos neurológicos	No hay información disponible.
Efectos mutagénicos	No hay información disponible.
Efectos sobre la reproducción	No hay información disponible.
Efectos sobre el desarrollo	No hay información disponible.
Efectos en órganos diana	No hay información disponible.
STOT - exposición única	No hay información disponible.
STOT - exposición repetida	No hay información disponible.
Otros efectos adversos	No hay información disponible.

Peligro por aspiración No hay información disponible

Medidas numéricas de toxicidad

Los siguientes valores se han calculado basándose en el capítulo 3.1 del documento de GHS

ETAmezcla (oral) 54517 mg/kg

Información sobre los componentes

Nombre químico	DL50 oral	DL50 cutánea	CL50 por inhalación
Dióxido de titanio 13463-67-7	> 10000 mg/kg (Rat)	-	-
Kaolin 1332-58-7	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rat)	-
Kaolin, calcined 92704-41-1	> 2000 mg/kg (Rat)	-	-
Sodium C14-C16 olefin sulfonate 68439-57-6	= 2220 mg/kg (Rat)	> 740 mg/kg (Rabbit)	> 52 mg/L (Rat) 4 h

Toxicidad crónica

Carcinogenicidad
La información que figura a continuación indica si cada una de las agencias ha listado algún ingrediente como carcinógeno o no:.

Nombre químico	IARC	NTP	OSHA
Dióxido de titanio	2B - Possible Human Carcinogen		Listed

• Aunque la Agencia Internacional de Investigación sobre el Cáncer (International Agency for Research on Cancer, IARC) ha clasificado el dióxido de titanio como posiblemente carcinógeno para los seres humanos (2B), su resumen concluye: "Se considera que no se produce una exposición significativa al dióxido de titanio durante el uso de productos en los que el dióxido de titanio está unido a otros materiales, como la pintura."

Leyenda
IARC - Agencia Internacional para la Investigación del Cáncer
NTP - Programa Nacional de Toxicidad
OSHA - Administracion de salud y seguridad ocupacional

12. INFORMACIÓN ECOLÓGICA

Efectos ecotoxicológicos
No se ha investigado completamente el impacto medioambiental de este producto.

Información del producto

Toxicidad Aguda para peces
No hay información disponible

Toxicidad aguda para invertebrados acuáticos
No hay información disponible

Toxicidad aguda para plantas acuáticas

No hay información disponible

Persistencia y degradabilidad
No hay información disponible.

Bioacumulación
No hay datos para este producto.

Movilidad en el medio ambiente
No hay información disponible.

Ozono
No hay información disponible

Información sobre los componentes

Toxicidad Aguda para peces

Dióxido de titanio
LC50: > 1000 mg/L (Pimephales Promelas - 96 h)

Toxicidad aguda para invertebrados acuáticos
No hay información disponible

Toxicidad aguda para plantas acuáticas
No hay información disponible

13. CONSIDERACIONES RELATIVAS A LA ELIMINACIÓN

Desechos de residuos / producto no utilizado Desechar de acuerdo con los requisitos federales, estatales y locales. Los requisitos locales pueden variar. Consultar con el departamento de sanidad local o con la agencia estatal designada para la protección del medio ambiente sobre opciones adicionales para desechar el producto.

14. INFORMACIÓN RELATIVA AL TRANSPORTE

DOT No regulado

ICAO No regulado

IMDG / IMO No regulado

15. INFORMACIÓN REGLAMENTARIA

Inventarios internacionales

TSCA: Estados Unidos Sí - Todos los componentes están listados o excentos.
DSL: Canadá No - No se listan todos los componentes.
Uno o más componentes están listdos en la lista de sustancias no nacionales.

Reglamentos federales

SARA 311/312 (Superfund Amendments and Reauthorization Act, Ley de Reautorización y Enmiendas del Superfondo) categorización de los riesgos

Peligro agudo para la salud	No
Peligro crónico para la salud	No
Peligro de incendio	No
Peligro de liberación brusca de presión	No
Riesgo de reacción	No

SARA 313

Sección 313 del Título III de la Ley de Reautorización y Enmiendas del Superfondo de 1986 (SARA). Este producto contiene uno o más productos químicos sujetos a inclusión en los informes de la Ley y Título 40 del Código de Reglamentos Federales, Parte 372:

Ninguno/a

Ley del Aire Limpio, Sección 112 Contaminantes peligrosos del aire (HAPs) (ver 40 CFR 61)

Este producto contiene los siguientes contaminantes peligrosos del aire (HAPs):

Ninguno/a

Normativas estatales de EE.UU.

Proposición 65 de California

ADVERTENCIA: Este producto puede exponerle a químicos incluyendo Dióxido de titanio, que son conocidos por el Estado de California como causantes de cáncer y Tolueno, que son conocidos por el Estado de California como causantes de defectos de nacimiento u otros daños reproductivos. Para mayor información, visite www.P65Warnings.ca.gov.

Derecho a saber por Estado

Nombre químico	Massachusetts	Nueva Jersey	Pennsylvania
Dióxido de titanio	X	X	X
Kaolin	X	X	X

Leyenda

X - Incluido

16. OTRA INFORMACIÓN

HMIS - **Salud:** 1 **Inflamabilidad:** 0 **Reactividad:** 0 **PPE:** -

Leyenda HMIS

0 - Riesgo mínimo
1 - Riesgo ligero
2 - Riesgo moderado
3 - Riesgo importante
4 - Riesgo grave
* - Riesgo crónico
X - Definido por el usuario.
Nota: La clasificación PPE (Equipo Protector Personal) ha sido intencionalmente dejada en blanco. Elegir la clasificación PPE que proteja a los empleados de los riesgos de uso del material bajo las condiciones normales reales.

Advertencia: Las clasificaciones del HMIS® se basan en una escala de 0 a 4, con 0 representando riesgos o peligros mínimos y 4 representando riesgos o peligros significativos. Aunque la inclusión de las clasificaciones del HMIS® en las MSDSs no es requerida bajo el artículo 29 CFR 1910.1200, el fabricante ha elegido incluirlas. Las clasificaciones del HMIS® sólo deben ser utilizadas conjuntamente con un programa HMIS® completamente implementado por empleados que hayan recibido la capacitación adecuada en HMIS®. HMIS® es una marca registrada y de servicio de la NPCA. Los materiales del HMIS® pueden ser adquiridos exclusivamente de J.J. Keller, (800) 327-6868.

¡ADVERTENCIA! Si se raspa, lija o elimina la pintura vieja, puede liberarse polvo de plomo. EL PLOMO ES TÓXICO. LA EXPOSICIÓN AL POLVO DE PLOMO PUEDE OCASIONAR ENFERMEDADES GRAVES, TALES COMO DAÑOS CEREBRALES, ESPECIALMENTE A LOS NIÑOS. ASIMISMO, LAS MUJERES GESTANTES DEBERÍAN EVITAR LA EXPOSICIÓN. Utilizar un respirador aprobado por NIOSH para controlar la exposición al plomo. Limpiar cuidadosamente con un aspirador con filtro HEPA y fregona húmeda. Antes de comenzar, infórmese de cómo protegerse a sí mismo y a su familia contactando la línea directa nacional de información sobre el plomo, en el 1-800-424-LEAD o entrando en www.epa.gov/lead.

Preparado por
Departamento de Conformidad de Productos
Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
800-225-5554

Fecha de revisión: 18-nov.-2021
Resumen de la revisión No está disponible

Descargo de responsabilidad
La información contenida en este documento se presenta de buena fe y se considera precisa como la fecha de vigencia que se muestra arriba. Esta información se proporciona sin garantía de ningún tipo. Los empleadores deben usar esta información solo como resultado del uso de estos materiales y la seguridad y salud de los empleados. Cualquier uso de estos datos e información debe ser determinado por las leyes y regulaciones federales, provinciales y locales aplicables.

Fin de la ficha de datos de seguridad

SAFETY DATA SHEET

Revision Date: *15-Mar-2021* **Revision Number:** *4*

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	**REGAL SELECT EXTERIOR MOORGARD LOW LUSTRE FINISH WHITE**
Product Code	**W10301**
Alternate Product Code	W10301
Product Class	Water thinned paint
Color	White
Recommended use	Paint
Restrictions on use	No information available

Manufacturer
Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
Phone: 1-866-708-9180
www.benjaminmoore.com

Emergency Telephone
CHEMTREC: +1 703-741-5970 / 1-800-424-9300
+1 703-527-3887 (outside US & Canada)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Reproductive toxicity	Category 2

Label elements

Warning

Hazard statements
Suspected of damaging fertility or the unborn child

Appearance liquid **Odor** little or no odor

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage
Store locked up

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)
Not applicable

Other information
No information available

WARNING: This product contains isothiazolinone compounds at levels of <0.1%. These substances are biocides commonly found in most paints and a variety of personal care products as a preservative. Certain individuals may be sensitive or allergic to these substances, even at low levels.

3. COMPOSITION INFORMATION ON COMPONENTS

Chemical name	CAS No.	Weight-%
Titanium dioxide	13463-67-7	20 - 25
Kaolin	1332-58-7	1 - 5
Diatomaceous earth	61790-53-2	1 - 5
Zinc oxide	1314-13-2	1 - 5
Silica, mica	12001-26-2	1 - 5
Silica amorphous	7631-86-9	1 - 5
Sodium C14-C16 olefin sulfonate	68439-57-6	0.1 - 0.5
Trimethylolpropane	77-99-6	0.1 - 0.5

4. FIRST AID MEASURES

General Advice No hazards which require special first aid measures.

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Inhalation Move to fresh air. If symptoms persist, call a physician.

Ingestion Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.

Most Important Symptoms/Effects None known.

Notes To Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Protective equipment and precautions for firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific Hazards Arising From The Chemical Closed containers may rupture if exposed to fire or extreme heat.

Sensitivity to mechanical impact No

Sensitivity to static discharge No

Flash Point Data

Flash point (°F)	Not applicable
Flash Point (°C)	Not applicable
Method	Not applicable

Flammability Limits In Air

Lower flammability limit:	Not applicable
Upper flammability limit:	Not applicable

NFPA **Health:** 2 **Flammability:** 0 **Instability:** 0 **Special:** Not Applicable

NFPA Legend
0 - Not Hazardous
1 - Slightly
2 - Moderate
3 - High
4 - Severe

The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.

Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at www.nfpa.org.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

Other Information Prevent further leakage or spillage if safe to do so.

Environmental precautions See Section 12 for additional Ecological Information.

Methods for Cleaning Up Soak up with inert absorbent material. Sweep up and shovel into suitable

containers for disposal.

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage Keep container tightly closed. Keep out of the reach of children.

Incompatible Materials No information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL
Titanium dioxide	TWA: 10 mg/m³	15 mg/m³ - TWA
Kaolin	TWA: 2 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter	15 mg/m³ - TWA 5 mg/m³ - TWA
Diatomaceous earth	N/E	- 20 mppcf - TWA
Zinc oxide	STEL: 10 mg/m³ respirable particulate matter TWA: 2 mg/m³ respirable particulate matter	5 mg/m³ - TWA 15 mg/m³ - TWA
Silica, mica	TWA: 3 mg/m³ respirable particulate matter	20 mppcf - TWA
Silica amorphous	N/E	20 mppcf - TWA

Legend
ACGIH - American Conference of Governmental Industrial Hygienists Exposure Limits
OSHA - Occupational Safety & Health Administration Exposure Limits
N/E - Not Established

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection Safety glasses with side-shields.
Skin Protection Protective gloves and impervious clothing.
Respiratory Protection In case of insufficient ventilation wear suitable respiratory equipment.

Hygiene Measures Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance liquid
Odor little or no odor
Odor Threshold No information available

Density (lbs/gal)	11.0 - 11.4
Specific Gravity	1.31 - 1.37
pH	No information available
Viscosity (cps)	No information available
Solubility(ies)	No information available
Water solubility	No information available
Evaporation Rate	No information available
Vapor pressure	No information available
Vapor density	No information available
Wt. % Solids	50 - 60
Vol. % Solids	40 - 50
Wt. % Volatiles	40 - 50
Vol. % Volatiles	50 - 60
VOC Regulatory Limit (g/L)	< 50
Boiling Point (°F)	212
Boiling Point (°C)	100
Freezing point (°F)	32
Freezing Point (°C)	0
Flash point (°F)	Not applicable
Flash Point (°C)	Not applicable
Method	Not applicable
Flammability (solid, gas)	Not applicable
Upper flammability limit:	Not applicable
Lower flammability limit:	Not applicable
Autoignition Temperature (°F)	No information available
Autoignition Temperature (°C)	No information available
Decomposition Temperature (°F)	No information available
Decomposition Temperature (°C)	No information available
Partition coefficient	No information available

10. STABILITY AND REACTIVITY

Reactivity	Not Applicable
Chemical Stability	Stable under normal conditions.
Conditions to avoid	Prevent from freezing.
Incompatible Materials	No materials to be especially mentioned.
Hazardous Decomposition Products	None under normal use.
Possibility of hazardous reactions	None under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Product Information

Information on likely routes of exposure

Principal Routes of Exposure Eye contact, skin contact and inhalation.

Acute Toxicity

Product Information No information available

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Eye contact May cause slight irritation.
Skin contact Substance may cause slight skin irritation. Prolonged or repeated contact may dry skin and cause irritation.
Inhalation May cause irritation of respiratory tract.
Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Sensitization No information available
Neurological Effects No information available.
Mutagenic Effects No information available.
Reproductive Effects Possible risk of impaired fertility. Possible risk of harm to the unborn child.
Developmental Effects No information available.
Target organ effects No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Other adverse effects No information available.
Aspiration Hazard No information available

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 35886 mg/kg
ATEmix (dermal) 145486 mg/kg
ATEmix (inhalation-dust/mist) 482.7 mg/L

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
Kaolin 1332-58-7	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rat)	-
Zinc oxide 1314-13-2	> 5000 mg/kg (Rat)	-	-
Silica amorphous 7631-86-9	= 7900 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 2.2 mg/L (Rat) 1 h
Sodium C14-C16 olefin sulfonate 68439-57-6	= 2220 mg/kg (Rat)	> 740 mg/kg (Rabbit)	-
Trimethylolpropane 77-99-6	= 14100 mg/kg (Rat) = 14000 mg/kg (Rat)	-	> 0.29 mg/L (Rat) 4 h

Chronic Toxicity

Carcinogenicity
The information below indicates whether each agency has listed any ingredient as a carcinogen:.

Chemical name	IARC	NTP	OSHA

Titanium dioxide	2B - Possible Human Carcinogen		Listed

• Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

Legend
IARC - International Agency for Research on Cancer
NTP - National Toxicity Program
OSHA - Occupational Safety & Health Administration

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects
The environmental impact of this product has not been fully investigated.

Product Information

Acute Toxicity to Fish
No information available

Acute Toxicity to Aquatic Invertebrates
No information available

Acute Toxicity to Aquatic Plants
No information available

Persistence / Degradability
No information available.

Bioaccumulation
There is no data for this product.

Mobility in Environmental Media
No information available.

Ozone
No information available

Component Information

Acute Toxicity to Fish

Titanium dioxide
LC50: > 1000 mg/L (Fathead Minnow - 96 hr.)

Acute Toxicity to Aquatic Invertebrates
No information available

Acute Toxicity to Aquatic Plants
No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with federal, state, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

14. TRANSPORT INFORMATION

DOT Not regulated

ICAO / IATA Not regulated

IMDG / IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA: United States Yes - All components are listed or exempt.
DSL: Canada Yes - All components are listed or exempt.

Federal Regulations

SARA 311/312 hazardous categorization

Acute health hazard	No
Chronic Health Hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical name	CAS No.	Weight-%	CERCLA/SARA 313 (de minimis concentration)
Zinc oxide	1314-13-2	1 - 5	1.0

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product contains the following HAPs:

None

US State Regulations

California Proposition 65

WARNING: Cancer and Reproductive Harm– www.P65warnings.ca.gov

State Right-to-Know

Chemical name	Massachusetts	New Jersey	Pennsylvania
Titanium dioxide	X	X	X
Kaolin	X	X	X
Diatomaceous earth		X	
Zinc oxide	X	X	X
Silica, mica	X	X	X
Silica amorphous	X		X

Legend
X - Listed

16. OTHER INFORMATION

HMIS - **Health:** 2* **Flammability:** 0 **Reactivity:** 0 **PPE:** -

HMIS Legend
0 - Minimal Hazard
1 - Slight Hazard
2 - Moderate Hazard
3 - Serious Hazard
4 - Severe Hazard
* - Chronic Hazard
X - Consult your supervisor or S.O.P. for "Special" handling instructions.
Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Prepared By
Product Stewardship Department
Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
800-225-5554

Issuing Date 20-May-2015

Revision Date:	15-Mar-2021
Revision Summary	Not available

Disclaimer

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, provincial, and local laws and regulations.

End of Safety Data Sheet

Safety Data Sheet

SECTION 1: IDENTIFICATION

Product Identifier Used on Label: PLATINUM CERAMIC SATIN DEEP BASE

Synonyms: 2893

Details of the Manufacturer:
Hirshfield's Paint Manufacturing
4450 Lyndale Avenue North
Minneapolis, MN 55412
612-522-6621

Emergency Contact: INFOTRAC 1-800-535-5053

Recommended Use: Apply to recommended surfaces following product instructions presented on the label.

SECTION 2: HAZARD IDENTIFICATION

This material is considered hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR1910.1200.

Classification of the mixture:

Eye damage/irritation: Category 2B
Carcinogenicity: Category 2

Label Elements:

Pictograms:

Signal word: Warning

Hazard statements:

Causes eye irritation.
Suspected of causing cancer.

Precautionary statements:

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.

Response: If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice. If exposed or concerned: get medical advice.

Storage: Store locked up.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Percentage of mixture consisting of ingredient(s) of unknown acute toxicity: 0.4%.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name & Synonym	CAS Number	Content (W/W)
Titanium dioxide	13463-67-7	6.5%
All other ingredients below their cut-off limits		

SECTION 4: FIRST-AID MEASURES

Description of first-aid measures

If Inhaled: Move person to fresh air.

If on skin: Wash with plenty of soap and water.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice.

If ingested: Rinse mouth. Seek medical attention.

Most important symptoms/effects, both acute and delayed: skin irritation and eye irritation. Additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of immediate medical attention and special treatment needed when necessary
Notes to physician: No further relevant information available.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media: Water spray jet, extinguishing powder, CO_2, foam.

Specific hazards arising from the mixture:

Hazardous combustion products: Carbon monoxide, carbon dioxide, nitrogen oxides (NO_x), sulphur dioxide (SO_2).

Special protective actions for fire-fighters

Protective equipment: Wear protective clothing and self-contained respiratory protective device (SCBA).

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:
Wear protective clothing including safety glasses/eye shields. Keep unprotected people away.

Environmental precautions: Contain all spills. Keep out of sewer, streams, lakes, and other groundwaters.

Methods and material for containment and cleaning up: Contain all spills. Solidify with absorbent materials such as diatomaceous earth, clay, or vermiculite. Collect into suitable containers and dispose of properly. See Section 13: Disposal considerations.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Use appropriate personal protective equipment. See Section 8: Exposure controls/personal protection. If contacted on skin, wash affected area.

Conditions for safe storage: Keep container tightly closed when not in use. Keep from freezing. Store upright in original container protected from sunlight. Store locked up.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: Exposure limit data for the product is not available.

Control parameters for components:

Component	CAS #	Type	Value	Regulation
Titanium dioxide	13463-67-7	PEL	15 mg/m3	OSHA Table Z-1
Titanium dioxide	13463-67-7	TWA	10 mg/m3	ACGIH

Appropriate engineering controls: Use local exhaust ventilation when product is used in a confined area to keep worker exposure below regulatory limits.

Individual protection measures:

Eye/face protection: Wear safety glasses with side shields.

Skin protection: Use protective clothing chemically resistant to this material.

Hand protection: Use gloves chemically resistant to the product when prolonged or frequent repeated contact could occur. Examples of preferred glove materials include: Natural rubber ("latex"), neoprene, nitrile/butadiene rubber ("nitrile" or "NBR"), polyethylene, ethyl vinyl alcohol laminate ("EVAL"), polyvinyl chloride ("PVC" or "vinyl"). The selection of a specific glove should also take into account other work to be performed with the glove, potential body reactions to glove material, and specifications/instructions by the glove manufacturer.

Respiratory protection: If local exhaust or other engineering controls are not used, use a properly fitted NIOSH approved mask.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White liquid
Upper/lower flammability or explosive limits	no data available
Odor	Mild latex
Odor threshold	no data available
pH	8.5
Melting pint/freezing point	0 °C (32 °F) water t
Initial boiling point and boiling range	100 °C (212 °F) water

Flash point	>93 °C (199 °F)
Evaporation rate (butyl acetate=1)	<1.00, water
Flammability	no data available
Upper/lower flammability or explosive limits	no data available
Vapor pressure	no data available
Vapor density	no data available
Relative density	1.1
Solubility(ies)	no data available
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	115 KU

SECTION 10: STABILITY AND REACTIVITY

Reactivity
Not reactive under recommended conditions of storage and handling.

Chemical stability
Stable under normal ambient temperature and conditions while in storage and being handled.

Possibility of hazardous reactions: None known. Product will not undergo hazardous polymerization.

Conditions to avoid: Excessive heat which may cause container to rupture.

Incompatible materials: There are no known materials that are incompatible with this product.

Hazardous decomposition materials: Thermal decomposition may yield monomers, carbon monoxide, carbon dioxide, nitrogen oxides (NOx), and sulphur dioxide (SO_2).

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological information on the components of this product appears in this section when such data is available.

Toxicological Information on product:
Acute toxicity: No data available. Based on ingredients and their concentrations in the product, the product is not classified as acutely toxic.
Skin corrosion/irritation: No data available. Based on ingredients and their concentrations in the product, the product is not classified for skin corrosion/irritation.
Serious eye damage/irritation: No data available. Based on ingredients and their concentrations in the product, the product is classified as Category 2B: causes eye irritation.

Respiratory or skin sensitization: No data available. Based on ingredients and their concentrations in the product, the product is not classified for respiratory or skin sensitization.
Germ cell mutagenicity: No data available. Based on ingredients and their concentrations in the product, the product is not classified for germ cell mutagenicity.
Carcinogenicity: No data available. Based on ingredients and their concentrations in the product, the product is classified as Category 2: suspected of causing cancer.

IARC: Titanium dioxide: Group 2B possibly carcinogenic to humans.

Reproductive toxicity: No data available. Based on ingredients and their concentrations in the product, the product is not classified for reproductive toxicity.
Specific Target Organ Toxicity (STOT)-single exposure: No data available. Based on ingredients and their concentrations in the product, the product not classified for STOT- single exposure.
Specific Target Organ Toxicity (STOT)-repeated exposure: No data available. Based on ingredients and their concentrations in the product, the product is not classified for STOT-repeated exposure.
Aspiration hazard: No data available. Based on ingredients, their concentrations in the product, and the viscosity of the product, the product is not classified as an aspiration hazard.
Likely routes of exposure and effects of that exposure

Inhalation: No data available.

Ingestion: No data available.

Skin contact: No data available.

Eye contact: No data available. Based on ingredients and their concentrations in the product, the product causes eye irritation.

Additional information: No data are available for this material. The information shown is based on the profiles of the ingredients and their concentrations in the product.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological information on this product or its components appears in this section when such data is available.

Toxicity: No data available.
Persistence and degradability: No data available.
Bioaccumulative potential: No data available.
Mobility in soil: No data available.
Other adverse effects: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods: DO NOT DUMP IN ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State, and

local laws and regulations. Wear proper protective equipment. See Section 8: Exposure controls/personal protection.

SECTION 14: TRANSPORT INFORMATION

DOT Classification: Not classified
UN proper shipping name: Not regulated
UN Code: Not regulated.
UN Transport hazard class: Not classified
Packing group number: Not regulated

SECTION 15: REGULATORY INFORMATION

OSHA Hazard Communication Standard: This product is considered hazardous under OSHA Hazard Communication Standard (29CFR1910.1200).

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to Know Act of 1986,) Sections 313 (SARA 313):
Components: none

TSCA Inventory (TSCA): All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SECTION 16: OTHER INFORMATION

Hazard Rating System:
HMIS

Health	Flammability	Reactivity	PPE
1	0	0	B

SDS preparation date or last revision date 2/4/2020.

Other useful information:

Disclaimer:

The information in this SDS was obtained from sources that we believe are reliable. However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy or completeness. The conditions of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product. Disposal of containers should be in accordance with applicable federal, state and local laws and regulations.

Safety Data Sheet

SECTION 1: IDENTIFICATION

Product Identifier Used on Label: PLATINUM CERAMIC EGGSHELL DEEP BASE

Synonyms: 2793

Details of the Manufacturer:
Hirshfield's Paint Manufacturing
4450 Lyndale Avenue North
Minneapolis, MN 55412
612-522-6621

Emergency Contact: INFOTRAC 1-800-535-5053

Recommended Use: Apply to recommended surfaces following product instructions presented on the label.

SECTION 2: HAZARD IDENTIFICATION

This material is considered hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR1910.1200.

Classification of the mixture:

Serious eye damage/eye irritation: Category 2B
Carcinogenicity: Category 2

GHS Label Elements:

Pictograms:

Signal word:

Warning

Hazard statements:

Causes eye irritation.
Suspected of causing cancer.

Precautionary statements:

Prevention:

Wash hands thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection.

Response:

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice. If exposed or concerned: Get medical advice.

Storage:

Store locked up.

Disposal:

Dispose of contents/container in accordance with local/regional/national/international regulations.

Percentage of mixture consisting of ingredient(s) of unknown acute toxicity: 0.9%.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name & Synonym	CAS Number	Content (W/W)
Titanium dioxide	13463-67-7	7.2%
Nepheline syenite	37244-96-6	7.7%
All other ingredients are below their cut-off limits		

SECTION 4: FIRST-AID MEASURES

Description of first-aid measures

If inhaled: move person to fresh air.

If on skin: If on skin, wash with plenty of water. Take off contaminated clothing and wash it before reuse.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice.

If ingested: Rinse mouth. Seek medical attention.

Most important symptoms/effects, both acute and delayed: serious eye irritation. Additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of immediate medical attention and special treatment needed when necessary:
Notes to physician: no further relevant information available.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media: Water spray jet, extinguishing powder, CO_2, foam.

Specific hazards arising from the mixture:

Hazardous combustion products: Carbon monoxide, carbon dioxide, nitrogen oxides (NO_x), sulphur dioxide (SO_2).

Special protective actions for fire-fighters

Protective equipment: Wear protective clothing and self-contained respiratory protective device (SCBA).

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear protective clothing including safety glasses/eye shields. Keep unprotected people away.

Environmental precautions: Contain all spills. Keep out of sewer, streams, lakes, and other groundwaters.

Methods and material for containment and cleaning up: Contain all spills. Solidify with absorbent materials such as diatomaceous earth, clay, or vermiculite. Collect into suitable containers and dispose of properly. See Section 13: Disposal considerations.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Use appropriate personal protective equipment. See Section 8: Exposure controls/personal protection. If contacted on skin, wash affected area.

Conditions for safe storage: Store locked up. Keep container tightly closed when not in use. Keep from freezing. Store upright in original container protected from sunlight.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: Exposure limit data for the product is not available.

Control parameters for components:

Component	CAS #	Type	Value	Regulation
Titanium dioxide	13463-67-7	PEL	15 mg/m3	OSHA Table Z-1
Titanium dioxide	13463-67-7	TWA	10 mg/m3	ACGIH
Nepheline syenite	37244-96-5	PEL	5 mg/m3	OSHA Resp. 8 hour TWA
Nepheline syenite	37244-96-5	PEL	15 mg/m3	OSHA Resp. total dust TWA

Appropriate engineering controls: Use local exhaust ventilation when product is used in a confined area to keep worker exposure below regulatory limits.

Individual protection measures:

Eye/face protection: Wear safety glasses with side shields.

Skin protection: When prolonged or frequent repeated contact could occur, use protective clothing chemically resistant to this material.

Hand protection: Use gloves chemically resistant to the product when prolonged or frequent repeated contact could occur. Examples of preferred glove materials include: Natural rubber ("latex"), neoprene, nitrile/butadiene rubber ("nitrile" or "NBR"), polyethylene, polyvinyl chloride ("PVC" or "vinyl"). The selection of a specific glove should also take into account other work to be performed with the glove, potential body reactions to glove material, and specifications/instructions by the glove manufacturer.

Respiratory protection: If local exhaust or other engineering controls are not used, use a properly fitted NIOSH approved dust mask.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White liquid
Upper/lower flammability or explosive limits	no data available
Odor	Slight latex
Odor threshold	no data available
pH	8.5
Melting pint/freezing point	0 °C (32 °F) water
Initial boiling point and boiling range	100 °C (212 °F) water
Flash point	>100 °C
Evaporation rate (butyl acetate=1)	<1.00, water
Flammability	no data available
Upper/lower flammability or explosive limits	no data available
Vapor pressure	no data available
Vapor density	no data available
Relative density	1.2
Solubility(ies)	no data available
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	115 KU

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Not reactive under recommended conditions of storage and handling.

Chemical stability

Stable under normal ambient temperature and conditions while in storage and being handled.

Possibility of hazardous reactions: None known. Product will not undergo hazardous polymerization.
Conditions to avoid: Excessive heat which may cause the closed container to rupture.
Incompatible materials: There are no known materials that are incompatible with this product.
Hazardous decomposition materials: Thermal decomposition may yield monomers, carbon monoxide, carbon dioxide, nitrogen oxides (NOx), and sulphur dioxide (SO_2).

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological information on the components of this product appears in this section when such data is available.

Toxicological Information on product:

Acute toxicity: No data available. Based on ingredients and their concentrations in the product, the product is not classified as acutely toxic.
Skin corrosion/irritation: No data available. Based on ingredients and their concentrations in the product, the product is not classified for skin corrosion/irritation.
Serious eye damage/irritation: No data available. Based on ingredients and their concentrations in the product, the product is classified as Category 2B: causes eye irritation.
Respiratory or skin sensitization: No data available. Based on ingredients and their concentrations in the product, the product is not classified for respiratory or skin sensitization.
Germ cell mutagenicity: No data available. Based on ingredients and their concentrations in the product, the product is not classified for germ cell mutagenicity.
Carcinogenicity: No data available. Based on ingredients and their concentrations in the product, the product is classified as Category 2: suspected of causing cancer.

IARC: Titanium dioxide: Group 2B: possibly carcinogenic to humans.

Reproductive toxicity: No data available. Based on ingredients and their concentrations in the product, the product is not classified for reproductive toxicity.
Specific Target Organ Toxicity (STOT)-single exposure: No data available. Based on ingredients and their concentrations in the product, the product is not classified for STOT- single exposure.
Specific Target Organ Toxicity (STOT)-repeated exposure: No data available. Based on ingredients and their concentrations in the product, the product is not classified for STOT-repeated exposure.
Aspiration hazard: No data available. Based on ingredients and their concentrations in the product, and the viscosity of the product, the product is not classified as an aspiration hazard.

Likely routes of exposure and effects of that exposure

Inhalation: No data available.

Ingestion: No data available.
Skin contact: No data available.
Eye contact: No data available. Based on ingredients and their concentrations in the product, the product causes mild irritation.

Additional information: No data are available for this mixture. The information shown is based on the profiles of the ingredients and their concentrations in the product.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological information on this product or its components appears in this section when such data is available.

Toxicity: No data available.
Persistence and degradability: No data available.
Bioaccumulative potential: No data available.
Mobility in soil: No data available.
Other adverse effects: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods: DO NOT DUMP IN ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State, and local laws and regulations. Wear proper protective equipment. See Section 8: Exposure controls/personal protection.

SECTION 14: TRANSPORT INFORMATION

DOT Classification: Not classified
UN proper shipping name: Not regulated
UN Code: Not regulated.
UN Transport hazard class: Not classified
Packing group number: Not regulated

SECTION 15: REGULATORY INFORMATION

OSHA Hazard Communication Standard: This product is considered hazardous under OSHA Hazard Communication Standard (29CFR1910.1200).

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to Know Act of 1986) Sections 313: none.

TSCA Inventory (TSCA): All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SECTION 16: OTHER INFORMATION

Hazard Rating System:
HMIS

Health	Flammability	Reactivity	PPE
1	0	0	B

SDS preparation date or last revision date: February 22, 2017.

Disclaimer:

The information in this SDS was obtained from sources that we believe are reliable. However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy or completeness. The conditions of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product. Disposal of containers should be in accordance with applicable federal, state and local laws and regulations.

SAFETY DATA SHEET

A95T1254

Section 1. Identification

Product name : DURATION HOME® Interior Latex Flat
Ultradeep Base

Product code : A95T1254

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Paint or paint related material.

Manufacturer : THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

Emergency telephone number of the company : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Product Information Telephone Number : US / Canada: 1-800-474-3794
Mexico: Not Available

Regulatory Information Telephone Number : US / Canada: (216) 566-2902
Mexico: Not Available

Transportation Emergency Telephone Number : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Not classified.

GHS label elements

Signal word : No signal word.

Hazard statements : No known significant effects or critical hazards.

Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Not applicable.

Response : Not applicable.

Storage : Not applicable.

Disposal : Not applicable.

Supplemental label elements WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Section 2. Hazards identification

Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.

Hazards not otherwise classified : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Not available.

CAS number/other identifiers

Ingredient name	% by weight	CAS number
Amorphous Silica	≥10 - ≤25	7631-86-9

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

Section 4. First aid measures

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits
Amorphous Silica	7631-86-9	**NIOSH REL (United States, 10/2020).** TWA: 6 mg/m³ 10 hours.

Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
None.		

Occupational exposure limits (Mexico)

	CAS #	Exposure limits
None.		

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Section 8. Exposure controls/personal protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state : Liquid.

Color : Not available.

Odor : Not available.

Odor threshold : Not available.

pH : 8.5

Melting point/freezing point : Not available.

Boiling point, initial boiling point, and boiling range : 100°C (212°F)

Flash point : Closed cup: Not applicable.

Evaporation rate : 0.09 (butyl acetate = 1)

Flammability : Not available.

Lower and upper explosion limit/flammability limit : Not available.

Vapor pressure : 2.3 kPa (17.5 mm Hg)

Relative vapor density : 1 [Air = 1]

Relative density : 1.07

Solubility : Not available.

Partition coefficient: n-octanol/water : Not applicable.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Kinematic (40°C (104°F)): >20.5 mm^2/s (>20.5 cSt)

Molecular weight : Not applicable.

Aerosol product

Heat of combustion : 0.222 kJ/g

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Amorphous Silica	Eyes - Mild irritant	Rabbit	-	24 hours 25 mg	-

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Amorphous Silica	-	3	-

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Section 11. Toxicological information

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Section 12. Ecological information

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{OC}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-

Section 14. Transport information

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

SARA 313

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

California Prop. 65

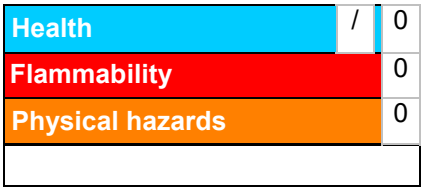
WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

International regulations

International lists : **Australia inventory (AIIC)**: Not determined.
China inventory (IECSC): Not determined.
Japan inventory (CSCL): Not determined.
Japan inventory (ISHL): Not determined.
Korea inventory (KECI): Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.
Taiwan Chemical Substances Inventory (TCSI): Not determined.
Thailand inventory: Not determined.
Turkey inventory: Not determined.
Vietnam inventory: Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)



The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

Procedure used to derive the classification

Classification	Justification
Not classified.	

History

Date of printing : 2/8/2022

Section 16. Other information

Date of issue/Date of revision : 2/8/2022

Date of previous issue : 10/2/2021

Version : 11.03

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

Indicates information that has changed from previously issued version.

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

SAFETY DATA SHEET

Date of issue/Date of revision 29 May 2021
Version 25

Section 1. Identification

Product name : SIK300-078 SIKKENS CETOL 23 PLUS 275 – NATURAL 078
Product code : 00364899
Other means of identification : Not available.
Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Product use : Consumer applications, Professional applications.
Use of the substance/ mixture : Coating.
Uses advised against : Not applicable.

Manufacturer : PPG Industries, Inc.
One PPG Place
Pittsburgh, PA 15272
Emergency telephone number : (412) 434-4515 (U.S.)
(514) 645-1320 (Canada)
SETIQ Interior de la República: 800-00-214-00 (México)
SETIQ Ciudad de México: (55) 5559-1588 (México)
Technical Phone Number : 1-800-441-9695 (8:00 am to 5:00 pm EST)

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture : FLAMMABLE LIQUIDS - Category 3
SKIN IRRITATION - Category 2
EYE IRRITATION - Category 2A
SKIN SENSITIZATION - Category 1
CARCINOGENICITY - Category 1B
TOXIC TO REPRODUCTION - Category 1B
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1
Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 49.9% (oral), 54.1% (dermal), 59.7% (inhalation)

GHS label elements

Section 2. Hazards identification

Hazard pictograms :

Signal word : Danger

Hazard statements : Flammable liquid and vapor.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause respiratory irritation.
May cause cancer.
May damage fertility or the unborn child.
Causes damage to organs through prolonged or repeated exposure. (central nervous system (CNS))

Precautionary statements

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating or lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

Response : IF exposed or concerned: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

Storage : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements : Sanding and grinding dusts may be harmful if inhaled. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated. DANGER - RAGS, STEEL WOOL OR WASTE SOAKED WITH THIS PRODUCT MAY SPONTANEOUSLY CATCH FIRE IF IMPROPERLY DISCARDED. IMMEDIATELY AFTER EACH USE, PLACE RAGS, STEEL WOOL OR WASTE IN A SEALED WATER-FILLED METAL CONTAINER.

Hazards not otherwise classified : Prolonged or repeated contact may dry skin and cause irritation.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture
Product name : SIK300-078 SIKKENS CETOL 23 PLUS 275 – NATURAL 078

Ingredient name	%	CAS number
4-chloro-α,α,α-trifluorotoluene	≥20 - ≤46	98-56-6
Solvent naphtha (petroleum), medium aliph.	≥5.0 - ≤10	64742-88-7
Distillates (petroleum), hydrotreated light	≥1.0 - ≤5.0	64742-47-8
Stoddard solvent	≥1.0 - ≤5.0	8052-41-3
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	≥1.0 - ≤5.0	64742-48-9 (EC 918-481-9)
2-ethylhexanoic acid, zirconium salt	≤1.0	22464-99-9
2-butanone oxime	<1.0	96-29-7
cobalt bis(2-ethylhexanoate)	<1.0	136-52-7
calcium bis(2-ethylhexanoate)	<1.0	136-51-6
ethylbenzene	<1.0	100-41-4

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

Description of necessary first aid measures

Eye contact : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

Inhalation : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

Skin contact : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.

Ingestion : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : May cause respiratory irritation.

Skin contact : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Section 4. First aid measures

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : Adverse symptoms may include the following:
respiratory tract irritation
coughing
reduced fetal weight
increase in fetal deaths
skeletal malformations

Skin contact : Adverse symptoms may include the following:
irritation
redness
dryness
cracking
reduced fetal weight
increase in fetal deaths
skeletal malformations

Ingestion : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use dry chemical, CO_2, water spray (fog) or foam.

Unsuitable extinguishing media : Do not use water jet.

Specific hazards arising from the chemical : Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

Section 5. Fire-fighting measures

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon oxides
halogenated compounds
carbonyl halides
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Special precautions : Ingestion of product or cured coating may be harmful. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Vapors are heavier than air and may spread along floors. Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To avoid the risks of fires, all contaminated materials should be stored in purpose-built containers or in metal containers with tight-fitting, self-closing lids. Contaminated materials should be removed from the workplace at the end of each working day and be stored outside. If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Do not store above the following temperature: 50°C (122°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits
4-chloro-α,α,α-trifluorotoluene	**IPEL (-).** TWA: 0.57 ppm STEL: 1.71 ppm
Solvent naphtha (petroleum), medium aliph.	**ACGIH TLV (United States).** TWA: 400 ppm **OSHA PEL (United States, 5/2018).** TWA: 100 ppm 8 hours. TWA: 400 mg/m³ 8 hours.
Distillates (petroleum), hydrotreated light	**ACGIH TLV (United States, 3/2020).** **Absorbed through skin.** TWA: 200 mg/m³, (as total hydrocarbon vapor) 8 hours.
Stoddard solvent	**ACGIH TLV (United States, 3/2020).** TWA: 525 mg/m³ 8 hours. TWA: 100 ppm 8 hours. **OSHA PEL (United States, 5/2018).** TWA: 2900 mg/m³ 8 hours. TWA: 500 ppm 8 hours.
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	None.
2-ethylhexanoic acid, zirconium salt	**ACGIH TLV (United States, 3/2020).** STEL: 10 mg/m³, (as Zr) 15 minutes. TWA: 5 mg/m³, (as Zr) 8 hours. **OSHA PEL (United States, 5/2018).** TWA: 5 mg/m³, (as Zr) 8 hours.
2-butanone oxime	**IPEL (-).** TWA: 3 ppm STEL: 9 ppm
cobalt bis(2-ethylhexanoate)	**ACGIH TLV (United States, 3/2020). Skin sensitizer. Inhalation sensitizer.** TWA: 0.02 mg/m³, (as Co) 8 hours.
calcium bis(2-ethylhexanoate)	None.
ethylbenzene	**ACGIH TLV (United States, 3/2020).** TWA: 20 ppm 8 hours. **OSHA PEL (United States, 5/2018).** TWA: 435 mg/m³ 8 hours. TWA: 100 ppm 8 hours.

Key to abbreviations

A	=	Acceptable Maximum Peak	S	=	Potential skin absorption
ACGIH	=	American Conference of Governmental Industrial Hygienists.	SR	=	Respiratory sensitization
C	=	Ceiling Limit	SS	=	Skin sensitization
F	=	Fume	STEL	=	Short term Exposure limit values
IPEL	=	Internal Permissible Exposure Limit	TD	=	Total dust
OSHA	=	Occupational Safety and Health Administration.	TLV	=	Threshold Limit Value
R	=	Respirable	TWA	=	Time Weighted Average
Z	=	OSHA 29 CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances			

Consult local authorities for acceptable exposure limits.

Section 8. Exposure controls/personal protection

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Appropriate engineering controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Chemical splash goggles.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Gloves : butyl rubber

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.
The respiratory protection shall be in accordance to 29 CFR 1910.134.

Section 9. Physical and chemical properties

Appearance

Physical state : Liquid.

Color : Various

Odor : Not available.

Odor threshold : Not available.

pH : Not applicable.

Melting point : Not available.

Boiling point : 135°C (275°F)

Flash point : Closed cup: 50°C (122°F)

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Flammability (solid, gas) : Not available.

Lower and upper explosive (flammable) limits : Not available.

Evaporation rate : 0.0015 (butyl acetate = 1)

Vapor pressure : 4.4 kPa (33.33 mm Hg)

Vapor density : Not available.

Relative density : 1.07

Density (lbs / gal) : 8.93

Solubility : Insoluble in the following materials: cold water.

Partition coefficient: n-octanol/water : Not applicable.

Viscosity : Kinematic (40°C (104°F)): >21 mm^2/s (>21 cSt)

Volatility : 48% (v/v), 46.449% (w/w)

% Solid. (w/w) : 53.551

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.

Incompatible materials : Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.

Hazardous decomposition products : Depending on conditions, decomposition products may include the following materials: carbon oxides halogenated compounds carbonyl halides metal oxide/oxides

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
4-chloro-α,α,α-trifluorotoluene	LC50 Inhalation Vapor	Rat	33080 mg/m³	4 hours
	LD50 Dermal	Rabbit	>2.7 g/kg	-
	LD50 Oral	Rat	13 g/kg	-
Solvent naphtha (petroleum), medium aliph.	LD50 Dermal	Rabbit	>3000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Stoddard solvent	LD50 Oral	Rat	>5 g/kg	-
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>6 g/kg	-
2-ethylhexanoic acid, zirconium salt	LD50 Dermal	Rabbit	>5 g/kg	-
	LD50 Oral	Rat	>5 g/kg	-
2-butanone oxime	LD50 Oral	Rat	930 mg/kg	-
cobalt bis(2-ethylhexanoate)	LD50 Dermal	Rabbit	>5 g/kg	-
	LD50 Oral	Rat	3129 mg/kg	-
ethylbenzene	LC50 Inhalation Vapor	Rat	17.8 mg/l	4 hours
	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-

Conclusion/Summary : There are no data available on the mixture itself.

Irritation/Corrosion

Conclusion/Summary

Skin : There are no data available on the mixture itself.

Eyes : There are no data available on the mixture itself.

Respiratory : There are no data available on the mixture itself.

Sensitization

Conclusion/Summary

Skin : There are no data available on the mixture itself.

Respiratory : There are no data available on the mixture itself.

Mutagenicity

Conclusion/Summary : There are no data available on the mixture itself.

Carcinogenicity

Conclusion/Summary : There are no data available on the mixture itself.

Classification

Product/ingredient name	OSHA	IARC	NTP
4-chloro-α,α,α-trifluorotoluene	-	2B	-
cobalt bis(2-ethylhexanoate)	-	2B	Reasonably anticipated to be a human carcinogen.
ethylbenzene	-	2B	-

Carcinogen Classification code:

Section 11. Toxicological information

IARC: 1, 2A, 2B, 3, 4
NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen
OSHA: +
Not listed/not regulated: -

Reproductive toxicity

Conclusion/Summary : There are no data available on the mixture itself.

Teratogenicity

Conclusion/Summary : There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
4-chloro-α,α,α-trifluorotoluene	Category 3	-	Respiratory tract irritation
Solvent naphtha (petroleum), medium aliph.	Category 3	-	Narcotic effects

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Solvent naphtha (petroleum), medium aliph.	Category 1	-	central nervous system (CNS)
Stoddard solvent	Category 1	-	central nervous system (CNS)
ethylbenzene	Category 2	-	hearing organs

Target organs : Contains material which causes damage to the following organs: brain, skin, central nervous system (CNS).
Contains material which may cause damage to the following organs: kidneys, liver, upper respiratory tract, immune system, adrenal, eye, lens or cornea, testes.

Aspiration hazard

Name	Result
Solvent naphtha (petroleum), medium aliph.	ASPIRATION HAZARD - Category 1
Distillates (petroleum), hydrotreated light	ASPIRATION HAZARD - Category 1
Stoddard solvent	ASPIRATION HAZARD - Category 1
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	ASPIRATION HAZARD - Category 1
ethylbenzene	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure

Potential acute health effects

Eye contact : Causes serious eye irritation.
Inhalation : May cause respiratory irritation.
Skin contact : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Section 11. Toxicological information

Inhalation : Adverse symptoms may include the following:
respiratory tract irritation
coughing
reduced fetal weight
increase in fetal deaths
skeletal malformations

Skin contact : Adverse symptoms may include the following:
irritation
redness
dryness
cracking
reduced fetal weight
increase in fetal deaths
skeletal malformations

Ingestion : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

Delayed and immediate effects and also chronic effects from short and long term exposure

Conclusion/Summary : There are no data available on the mixture itself. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Short term exposure

Potential immediate effects : There are no data available on the mixture itself.

Potential delayed effects : There are no data available on the mixture itself.

Long term exposure

Potential immediate effects : There are no data available on the mixture itself.

Potential delayed effects : There are no data available on the mixture itself.

Potential chronic health effects

General : Causes damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : May cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : May damage fertility or the unborn child.

Numerical measures of toxicity

Section 11. Toxicological information

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
SIK300-078 SIKKENS CETOL 23 PLUS 275 – NATURAL 078	N/A	3558.8	N/A	N/A	N/A
4-chloro-α,α,α-trifluorotoluene	13000	2500	N/A	33.08	N/A
Solvent naphtha (petroleum), medium aliph.	N/A	2500	N/A	N/A	N/A
2-butanone oxime	930	1100	N/A	N/A	N/A
cobalt bis(2-ethylhexanoate)	3129	N/A	N/A	N/A	N/A
ethylbenzene	3500	17800	N/A	17.8	1.5

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
2-ethylhexanoic acid, zirconium salt	Acute LC50 >100 mg/l	Fish	96 hours
ethylbenzene	Acute LC50 150 to 200 mg/l Fresh water	Fish	96 hours

Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Distillates (petroleum), hydrotreated light	-	-	Readily
ethylbenzene	-	-	Readily

Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
Distillates (petroleum), hydrotreated light	-	159	low
Stoddard solvent	3.16 to 7.06	-	high
2-butanone oxime	0.63	5.01	low
ethylbenzene	3.6	79.43	low

Mobility in soil

Soil/water partition coefficient (K_{OC}) : Not available.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

14. Transport information

	DOT	IMDG	IATA
UN number	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT
Transport hazard class (es)	3	3	3
Packing group	III	III	III
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.
Product RQ (lbs)	12019.4	Not applicable.	Not applicable.
RQ substances	(xylene)	Not applicable.	Not applicable.

Additional information

DOT : This product may be re-classified as "Combustible Liquid," unless transported by vessel or aircraft. Non-bulk packages (less than or equal to 119 gal) of combustible liquids are not regulated as hazardous materials in package sizes less than the product reportable quantity.

IMDG : None identified.

IATA : None identified.

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14. Transport information

Transport in bulk according to IMO instruments : Not applicable.

Section 15. Regulatory information

United States

United States inventory (TSCA 8b) : All components are active or exempted.

United States - TSCA 5(a)2 - Final significant new use rules:

4-chloro-α,α,α-trifluorotoluene	Listed	40 CFR 799.5089

SARA 302/304

SARA 304 RQ : Not applicable.

Composition/information on ingredients

No products were found.

SARA 311/312

Classification : FLAMMABLE LIQUIDS - Category 3
SKIN IRRITATION - Category 2
EYE IRRITATION - Category 2A
SKIN SENSITIZATION - Category 1
CARCINOGENICITY - Category 1B
TOXIC TO REPRODUCTION - Category 1B
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1
HNOC - Defatting irritant

Composition/information on ingredients

Name	%	Classification
4-chloro-α,α,α-trifluorotoluene	≥20 - ≤46	FLAMMABLE LIQUIDS - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 HNOC - Defatting irritant
Solvent naphtha (petroleum), medium aliph.	≥5.0 - ≤10	FLAMMABLE LIQUIDS - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant
Distillates (petroleum), hydrotreated light	≥1.0 - ≤5.0	ASPIRATION HAZARD - Category 1
Stoddard solvent	≥1.0 - ≤5.0	FLAMMABLE LIQUIDS - Category 3 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant

Section 15. Regulatory information

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	≥1.0 - ≤5.0	FLAMMABLE LIQUIDS - Category 4 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant
2-ethylhexanoic acid, zirconium salt	≤1.0	COMBUSTIBLE DUSTS TOXIC TO REPRODUCTION - Category 2
2-butanone oxime	<1.0	FLAMMABLE LIQUIDS - Category 4 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 SERIOUS EYE DAMAGE - Category 1 SKIN SENSITIZATION - Category 1B CARCINOGENICITY - Category 2
cobalt bis(2-ethylhexanoate)	<1.0	EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1A CARCINOGENICITY - Category 1B TOXIC TO REPRODUCTION - Category 1B
calcium bis(2-ethylhexanoate)	<1.0	SERIOUS EYE DAMAGE - Category 1 TOXIC TO REPRODUCTION - Category 2
ethylbenzene	<1.0	FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant

SARA 313

		Chemical name	CAS number	Concentration
Supplier notification	:	cobalt bis(2-ethylhexanoate)	136-52-7	0.1 - 1
		ethylbenzene	100-41-4	0.1 - 1

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

Additional environmental information is contained on the Environmental Data Sheet for this product, which can be obtained from your PPG representative.

California Prop. 65

⚠ **WARNING**: Cancer - www.P65Warnings.ca.gov.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health : 2 * **Flammability** : 2 **Physical hazards** : 0

(*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on MSDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (U.S.A.)

Health : 2 **Flammability** : 2 **Instability** : 0

Section 16. Other information

Date of previous issue : 1/25/2021

Organization that prepared the SDS : EHS

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

Indicates information that has changed from previously issued version.

Disclaimer

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.

SAFETY DATA SHEET

Revision Date: *16-Nov-2021* **Revision Number:** *6*

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	**AURA WATERBORNE INTERIOR PAINT & PRIMER, EGGSHELL FINISH BASE 3**
Product Code	**N5243X**
Alternate Product Code	N5243X
Product Class	Water thinned paint
Color	All
Recommended use	Paint
Restrictions on use	No information available

Manufacturer
Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
Phone: 1-866-708-9180
www.benjaminmoore.com

Emergency Telephone
CHEMTREC: +1 703-741-5970 / 1-800-424-9300
+1 703-527-3887 (outside US & Canada)

2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label elements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Appearance liquid **Odor** little or no odor

Hazards not otherwise classified (HNOC)
Not applicable

Other information
No information available

WARNING: This product contains isothiazolinone compounds at levels of <0.1%. These substances are biocides commonly found in most paints and a variety of personal care products as a preservative. Certain individuals may be sensitive or allergic to these substances, even at low levels.

3. COMPOSITION INFORMATION ON COMPONENTS

Chemical name	CAS No.	Weight-%
Kaolin, calcined	66402-68-4	10 - 15
Titanium dioxide	13463-67-7	5 - 10
Ammonium hydroxide	1336-21-6	0.1 - 0.5

4. FIRST AID MEASURES

General Advice No hazards which require special first aid measures.

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Inhalation Move to fresh air. If symptoms persist, call a physician.

Ingestion Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.

Most Important Symptoms/Effects None known.

Notes To Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Protective equipment and precautions for firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific Hazards Arising From The Chemical Closed containers may rupture if exposed to fire or extreme heat.

Sensitivity to mechanical impact No

Sensitivity to static discharge No

Flash Point Data
Flash point (°F) Not applicable
Flash Point (°C) Not applicable

Method	Not applicable

Flammability Limits In Air

Lower flammability limit:	Not applicable
Upper flammability limit:	Not applicable

NFPA **Health:** 1 **Flammability:** 0 **Instability:** 0 **Special:** Not Applicable

NFPA Legend
0 - Not Hazardous
1 - Slightly
2 - Moderate
3 - High
4 - Severe

The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.

Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at www.nfpa.org.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

Other Information Prevent further leakage or spillage if safe to do so.

Environmental precautions See Section 12 for additional Ecological Information.

Methods for Cleaning Up Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage Keep container tightly closed. Keep out of the reach of children.

Incompatible Materials No information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL
Kaolin, calcined	STEL: 10 mg/m³ Zr TWA: 5 mg/m³ Zr TWA: 0.02 mg/m³ Mn respirable particulate matter TWA: 0.1 mg/m³ Mn inhalable particulate matter	5 mg/m³ - TWA 5 mg/m³ - Ceiling
Titanium dioxide	TWA: 10 mg/m³	15 mg/m³ - TWA

Legend
ACGIH - American Conference of Governmental Industrial Hygienists Exposure Limits
OSHA - Occupational Safety & Health Administration Exposure Limits
N/E - Not Established

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection Safety glasses with side-shields.
Skin Protection Protective gloves and impervious clothing.
Respiratory Protection In case of insufficient ventilation wear suitable respiratory equipment.

Hygiene Measures Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid
Odor	little or no odor
Odor Threshold	No information available
Density (lbs/gal)	9.7 - 10.1
Specific Gravity	1.16 - 1.21
pH	No information available
Viscosity (cps)	No information available
Solubility(ies)	No information available
Water solubility	No information available
Evaporation Rate	No information available
Vapor pressure	No information available
Vapor density	No information available
Wt. % Solids	50 - 60
Vol. % Solids	40 - 50
Wt. % Volatiles	40 - 50
Vol. % Volatiles	50 - 60
VOC Regulatory Limit (g/L)	< 50
Boiling Point (°F)	212
Boiling Point (°C)	100
Freezing point (°F)	32
Freezing Point (°C)	0
Flash point (°F)	Not applicable
Flash Point (°C)	Not applicable
Method	Not applicable
Flammability (solid, gas)	Not applicable
Upper flammability limit:	Not applicable
Lower flammability limit:	Not applicable
Autoignition Temperature (°F)	No information available
Autoignition Temperature (°C)	No information available
Decomposition Temperature (°F)	No information available
Decomposition Temperature (°C)	No information available
Partition coefficient	No information available

10. STABILITY AND REACTIVITY

Reactivity	Not Applicable
Chemical Stability	Stable under normal conditions.
Conditions to avoid	Prevent from freezing.
Incompatible Materials	No materials to be especially mentioned.
Hazardous Decomposition Products	None under normal use.
Possibility of hazardous reactions	None under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Product Information

Information on likely routes of exposure

Principal Routes of Exposure Eye contact, skin contact and inhalation.

Acute Toxicity

Product Information No information available

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Eye contact	May cause slight irritation.
Skin contact	Substance may cause slight skin irritation. Prolonged or repeated contact may dry skin and cause irritation.
Inhalation	May cause irritation of respiratory tract.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Sensitization	No information available
Neurological Effects	No information available.
Mutagenic Effects	No information available.
Reproductive Effects	No information available.
Developmental Effects	No information available.
Target organ effects	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Other adverse effects	No information available.
Aspiration Hazard	No information available

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50

Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
Ammonium hydroxide 1336-21-6	= 350 mg/kg (Rat)	-	-

Chronic Toxicity

Carcinogenicity
The information below indicates whether each agency has listed any ingredient as a carcinogen:.

Chemical name	IARC	NTP	OSHA
Titanium dioxide	2B - Possible Human Carcinogen		Listed

• Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

Legend
IARC - International Agency for Research on Cancer
NTP - National Toxicity Program
OSHA - Occupational Safety & Health Administration

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects
The environmental impact of this product has not been fully investigated.

Product Information

Acute Toxicity to Fish
No information available

Acute Toxicity to Aquatic Invertebrates
No information available

Acute Toxicity to Aquatic Plants
No information available

Persistence / Degradability
No information available.

Bioaccumulation
No information available.

Mobility in Environmental Media
No information available.

Ozone
No information available

Component Information

Acute Toxicity to Fish

Titanium dioxide
LC50: > 1000 mg/L (Fathead Minnow - 96 hr.)

Acute Toxicity to Aquatic Invertebrates
No information available

Acute Toxicity to Aquatic Plants
No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with federal, state, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

14. TRANSPORT INFORMATION

DOT Not regulated

ICAO / IATA Not regulated

IMDG / IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA: United States Yes - All components are listed or exempt.
DSL: Canada No - Not all of the components are listed.
One or more component is listed on NDSL.

Federal Regulations

SARA 311/312 hazardous categorization

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical name	CAS No.	Weight-%	CERCLA/SARA 313

			(de minimis concentration)
Kaolin, calcined	66402-68-4	10 - 15	1.0

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product contains the following HAPs:

Chemical name	CAS No.	Weight-%	Hazardous Air Pollutant (HAP)
Kaolin, calcined	66402-68-4	10 - 15	Listed

US State Regulations

California Proposition 65

WARNING: This product can expose you to chemicals including Titanium dioxide, which are known to the State of California to cause cancer, and Ethylene glycol which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

State Right-to-Know

Chemical name	Massachusetts	New Jersey	Pennsylvania
Kaolin, calcined		X	X
Titanium dioxide	X	X	X

Legend
X - Listed

16. OTHER INFORMATION

HMIS - **Health:** 1 **Flammability:** 0 **Reactivity:** 0 **PPE:** -

HMIS Legend
0 - Minimal Hazard
1 - Slight Hazard
2 - Moderate Hazard
3 - Serious Hazard
4 - Severe Hazard
* - Chronic Hazard
X - Consult your supervisor or S.O.P. for "Special" handling instructions.
Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE

TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Prepared By	Product Stewardship Department Benjamin Moore & Co. 101 Paragon Drive Montvale, NJ 07645 800-225-5554
Revision Date:	16-Nov-2021
Revision Summary	Not available

Disclaimer

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, provincial, and local laws and regulations.

End of Safety Data Sheet

SAFETY DATA SHEET

Revision Date: *29-Oct-2020* **Revision Number:** *6*

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	**ADVANCE PRIMER WHITE**
Product Code	**79000**
Alternate Product Code	79000
Product Class	Water thinned paint
Color	White
Recommended use	Primers
Restrictions on use	No information available

Manufacturer
Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
Phone: 1-866-708-9180
www.benjaminmoore.com

Emergency Telephone
CHEMTREC: +1 703-741-5970 / 1-800-424-9300
+1 703-527-3887 (outside US & Canada)

2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label elements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Appearance liquid **Odor** little or no odor

Hazards not otherwise classified (HNOC)
Not applicable

Other information
No information available

WARNING: This product contains isothiazolinone compounds at levels of <0.1%. These substances are biocides commonly found in most paints and a variety of personal care products as a preservative. Certain individuals may be sensitive or allergic to these substances, even at low levels.

3. COMPOSITION INFORMATION ON COMPONENTS

Chemical name	CAS No.	Weight-%
Titanium dioxide	13463-67-7	15 - 20
Kaolin, calcined	92704-41-1	5 - 10
Talc	14807-96-6	5 - 10
Limestone	1317-65-3	1 - 5

4. FIRST AID MEASURES

General Advice No hazards which require special first aid measures.

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Inhalation Move to fresh air. If symptoms persist, call a physician.

Ingestion Clean mouth with water and afterwards drink plenty of water. Consult a physician if necessary.

Most Important Symptoms/Effects None known.

Notes To Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Protective equipment and precautions for firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific Hazards Arising From The Chemical Closed containers may rupture if exposed to fire or extreme heat.

Sensitivity to mechanical impact No

Sensitivity to static discharge No

Flash Point Data

Flash point (°F)	Not applicable
Flash Point (°C)	Not applicable
Method	Not applicable

Flammability Limits In Air

Lower flammability limit:	Not applicable
Upper flammability limit:	Not applicable

NFPA **Health:** 1 **Flammability:** 0 **Instability:** 0 **Special:** Not Applicable

NFPA Legend
0 - Not Hazardous
1 - Slightly
2 - Moderate
3 - High
4 - Severe

The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.

Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at www.nfpa.org.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

Other Information Prevent further leakage or spillage if safe to do so.

Environmental precautions See Section 12 for additional Ecological Information.

Methods for Cleaning Up Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage Keep container tightly closed. Keep out of the reach of children.

Incompatible Materials No information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL
Titanium dioxide	TWA: 10 mg/m³	15 mg/m³ - TWA
Talc	TWA: 2 mg/m³ particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter	20 mppcf - TWA
Limestone	N/E	15 mg/m³ - TWA 5 mg/m³ - TWA

Legend
ACGIH - American Conference of Governmental Industrial Hygienists Exposure Limits

OSHA - Occupational Safety & Health Administration Exposure Limits
N/E - Not Established

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection Safety glasses with side-shields.
Skin Protection Protective gloves and impervious clothing.
Respiratory Protection In case of insufficient ventilation wear suitable respiratory equipment.

Hygiene Measures Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid
Odor	little or no odor
Odor Threshold	No information available
Density (lbs/gal)	11.5 - 11.9
Specific Gravity	1.38 - 1.42
pH	No information available
Viscosity (cps)	No information available
Solubility(ies)	No information available
Water solubility	No information available
Evaporation Rate	No information available
Vapor pressure	No information available
Vapor density	No information available
Wt. % Solids	55 - 65
Vol. % Solids	40 - 50
Wt. % Volatiles	35 - 45
Vol. % Volatiles	50 - 60
VOC Regulatory Limit (g/L)	< 100
Boiling Point (°F)	212
Boiling Point (°C)	100
Freezing point (°F)	32
Freezing Point (°C)	0
Flash point (°F)	Not applicable
Flash Point (°C)	Not applicable
Method	Not applicable
Flammability (solid, gas)	Not applicable
Upper flammability limit:	Not applicable
Lower flammability limit:	Not applicable
Autoignition Temperature (°F)	No information available
Autoignition Temperature (°C)	No information available
Decomposition Temperature (°F)	No information available
Decomposition Temperature (°C)	No information available
Partition coefficient	No information available

10. STABILITY AND REACTIVITY

Reactivity Not Applicable

Chemical Stability	Stable under normal conditions.
Conditions to avoid	Prevent from freezing.
Incompatible Materials	No materials to be especially mentioned.
Hazardous Decomposition Products	None under normal use.
Possibility of hazardous reactions	None under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Product Information

Information on likely routes of exposure

Principal Routes of Exposure Eye contact, skin contact and inhalation.

Acute Toxicity

Product Information No information available

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Eye contact	May cause slight irritation.
Skin contact	Substance may cause slight skin irritation. Prolonged or repeated contact may dry skin and cause irritation.
Inhalation	May cause irritation of respiratory tract.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Sensitization	No information available
Neurological Effects	No information available.
Mutagenic Effects	No information available.
Reproductive Effects	No information available.
Developmental Effects	No information available.
Target organ effects	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Other adverse effects	No information available.
Aspiration Hazard	No information available

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 63351 mg/kg

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-
Kaolin, calcined	> 2000 mg/kg (Rat)	-	-

92704-41-1			

Chronic Toxicity

Carcinogenicity
The information below indicates whether each agency has listed any ingredient as a carcinogen:.

Chemical name	IARC	NTP	OSHA
Titanium dioxide	2B - Possible Human Carcinogen		Listed

• Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

Legend
IARC - International Agency for Research on Cancer
NTP - National Toxicity Program
OSHA - Occupational Safety & Health Administration

12. ECOLOGICAL INFORMATION

Ecotoxicity Effects
The environmental impact of this product has not been fully investigated.

Product Information

Acute Toxicity to Fish
No information available

Acute Toxicity to Aquatic Invertebrates
No information available

Acute Toxicity to Aquatic Plants
No information available

Persistence / Degradability
No information available.

Bioaccumulation
No information available.

Mobility in Environmental Media
No information available.

Ozone
No information available

Component Information

Acute Toxicity to Fish

Titanium dioxide
LC50: > 1000 mg/L (Fathead Minnow - 96 hr.)

Acute Toxicity to Aquatic Invertebrates
No information available

Acute Toxicity to Aquatic Plants
No information available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with federal, state, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

14. TRANSPORT INFORMATION

DOT Not regulated

ICAO / IATA Not regulated

IMDG / IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA: United States Yes - All components are listed or exempt.
DSL: Canada No - Not all of the components are listed.
One or more component is listed on NDSL.

Federal Regulations

SARA 311/312 hazardous categorization

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

None

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product contains the following HAPs:

None

US State Regulations

California Proposition 65

WARNING: Cancer and Reproductive Harm– www.P65warnings.ca.gov

State Right-to-Know

Chemical name	Massachusetts	New Jersey	Pennsylvania
Titanium dioxide	X	X	X
Talc	X	X	X
Limestone	X	X	X

Legend
X - Listed

16. OTHER INFORMATION

HMIS - **Health:** 1 **Flammability:** 0 **Reactivity:** 0 **PPE:** -

HMIS Legend
0 - Minimal Hazard
1 - Slight Hazard
2 - Moderate Hazard
3 - Serious Hazard
4 - Severe Hazard
* - Chronic Hazard
X - Consult your supervisor or S.O.P. for "Special" handling instructions.
Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

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Disclaimer

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End of Safety Data Sheet