



**Precautionary Statements:**

Wear protective clothing, gloves, eye, and face protection.  
Do not eat, drink or smoke when using this product.  
Take off contaminated clothing and wash it before reuse.  
Wash hands thoroughly after handling.  
Collect spillage and avoid release to the environment.  
Dispose of unused contents, container, and other contaminated wastes in accordance with local, state, federal, and provincial regulations.  
**If in eyes:** Rinse cautiously with water for several minutes and remove contacts if present and easy to do. Continue rinsing and get medical attention if eye irritation persists.  
**If on skin:** Wash with plenty of soap and water.  
**If swallowed:** Rinse mouth and get medical attention if you feel unwell.

**Emergency Overview:**

Irritant.

**Route of Exposure:**

Eyes. Skin. Inhalation. Ingestion.

**Potential Health Effects:**

**Eye:**

Causes eye irritation.

**Skin:**

Causes skin irritation.

**Inhalation:**

Prolonged or excessive inhalation may cause respiratory tract irritation.

**Ingestion:**

May be harmful if swallowed. May cause vomiting.

**Chronic Health Effects:**

Prolonged or repeated contact may cause skin irritation.

**Signs/Symptoms:**

Overexposure may cause headaches and dizziness.

**Target Organs:**

Eyes. Skin. Respiratory system. Digestive system.

**Aggravation of Pre-Existing Conditions:**

None generally recognized.

### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
Titanium dioxide	13463-67-7	20 - 30 by weight	
Anhydrous aluminum silicate	66402-68-4	5 - 10 by weight	
Nepheline Syenite	37244-96-5	1 - 5 by weight	
Silica, crystalline - cristobalite	14464-46-1	1 - 5 by weight	
Silica, amorphous, precipitated and gel	112926-00-8	1 - 5 by weight	
Ethylene glycol	107-21-1	1 - 5 by weight	
Aluminum hydroxide	21645-51-2	1 - 5 by weight	
Flux Calcined Diatomaceous Earth (DE)	68855-54-9	1 - 5 by weight	

**Note:** The remaining components of this product are non-hazardous or are in a small enough quantity as to not meet regulatory thresholds for disclosure.

### SECTION 4 : FIRST AID MEASURES

<b>Eye Contact:</b>	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Remove contacts if present and easy to do. Continue rinsing. Get medical attention, if irritation or symptoms of overexposure persists.
<b>Skin Contact:</b>	Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
<b>Inhalation:</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
<b>Ingestion:</b>	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

### SECTION 5 : FIRE FIGHTING MEASURES

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Flash Point:	None.
Lower Flammable/Explosive Limit:	Not applicable.
Upper Flammable/Explosive Limit:	Not applicable.
Extinguishing Media:	Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>NFPA Ratings:</b>	
NFPA Health:	1
NFPA Flammability:	1
NFPA Reactivity:	0

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## SECTION 6 : ACCIDENTAL RELEASE MEASURES

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Personal Precautions:	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Use proper personal protective equipment as listed in Section 8.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Methods for containment:	Contain spills with an inert absorbent material such as soil or sand. Prevent from spreading by covering, diking or other means. Provide ventilation.
Methods for cleanup:	Clean up spills immediately observing precautions in the protective equipment section. Place into a suitable container for disposal. Provide ventilation. After removal, flush spill area with soap and water to remove trace residue.

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## SECTION 7 : HANDLING and STORAGE

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Handling:	Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use.
Hygiene Practices:	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

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## SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

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<b>Engineering Controls:</b>	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
<b>Eye/Face Protection:</b>	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
<b>Skin Protection Description:</b>	Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.
<b>Respiratory Protection:</b>	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
<b>Other Protective:</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**PPE Pictograms:**



**EXPOSURE GUIDELINES**

**Titanium dioxide :**

Guideline ACGIH: TLV-TWA: 10 mg/m3

**Silica, amorphous, precipitated and gel :**

Guideline OSHA: PEL-TWA: 20 mppcf

**Ethylene glycol :**

Guideline ACGIH: TLV-STEL: C 100 mg/m3 (H)

**SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES**

<b>Physical State:</b>	Liquid.
<b>Color:</b>	White
<b>Odor:</b>	Slight.
<b>Odor Threshold:</b>	Not applicable.
<b>Boiling Point:</b>	>99°F (>37°C)
<b>Melting Point:</b>	Not applicable.
<b>Density:</b>	11.54
<b>Solubility:</b>	Not applicable.
<b>Vapor Density:</b>	Not applicable.
<b>Vapor Pressure:</b>	Not applicable.
<b>Evaporation Rate:</b>	Not applicable.
<b>pH:</b>	7 - 10

Viscosity:	50-140
Coefficient of Water/Oil Distribution:	Not applicable.
Flammability:	Not applicable.
Flash Point:	None.
VOC Content:	Material VOC: 22 gm/L(Includes Water) Coating VOC.:45 gm/L(Excludes Water)

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## SECTION 10 : STABILITY and REACTIVITY

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Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Not reported.
Conditions to Avoid:	Heat, flames, incompatible materials, and freezing or temperatures below 32 deg. F.
Incompatible Materials:	Oxidizing agents. Strong acids and alkalis.

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## SECTION 11 : TOXICOLOGICAL INFORMATION

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### **Water :**

Ingestion: Oral - Rat LD50 - Lethal dose, 50 percent kill: >90 mL/kg [Details of toxic effects not reported other than lethal dose value] (RTECS)

### **Titanium dioxide :**

Chronic Effects: Causes damage to organs through prolonged or repeated exposure to particulates or powder. Normal application procedures for this product pose no hazard as to the release of respirable titanium dioxide dust.

Carcinogenicity: IARC: Group 2B: Possibly carcinogenic to humans. Based on Inhalation studies in rats exposed to fine or ultrafine particles (dust) of titanium dioxide.

### **Silica, crystalline - cristobalite :**

Chronic Effects: Normal application procedures for this product pose no hazard as to the release of crystalline silica dust, but grinding or sanding dried films of this product may yield some respirable crystalline silica.

Carcinogenicity: IARC: Group 1: Carcinogenic to humans. NTP: Reasonably anticipated to be a human carcinogen.

### **Ethylene glycol :**

**Eye:** Administration into the eye - Rat Standard Draize test: 0.012 %/3D [Not reported.]  
Administration into the eye - Rabbit Standard Draize test: 500 mg/24H [Mild]  
Administration into the eye - Rabbit Standard Draize test: 100 mg/1H [Mild]  
Administration into the eye - Rabbit Standard Draize test: 0.012 ppm/3D [Not reported.]  
Administration into the eye - Rabbit Standard Draize test: 1440 mg/6H [Moderate] (RTECS)

**Skin:** Administration onto the skin - Rabbit LD50 - Lethal dose, 50 percent kill: 9530 uL/kg [Details of toxic effects not reported other than lethal dose value] (RTECS)

**Ingestion:** Oral - Rat LD50 - Lethal dose, 50 percent kill: 4700 mg/kg [Details of toxic effects not reported other than lethal dose value] (RTECS)

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## SECTION 12 : ECOLOGICAL INFORMATION

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**Ecotoxicity:** No ecotoxicity data was found for the product.

**Environmental Fate:** No environmental information found for this product.

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## SECTION 13 : DISPOSAL CONSIDERATIONS

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**Waste Disposal:** Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

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## SECTION 14 : TRANSPORT INFORMATION

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**DOT Shipping Name:** Not restricted as a dangerous good.

**DOT UN Number:** Not restricted as a dangerous good.

  

**IATA Shipping Name:** Not restricted as a dangerous good.

**IATA UN Number:** Not restricted as a dangerous good.

Canadian Shipping Name: Not restricted as a dangerous good.  
Canadian UN Number: Not restricted as a dangerous good.  
IMDG UN Number : Not restricted as a dangerous good.  
IMDG Shipping Name : Not restricted as a dangerous good.  
ADR UN Number: Not restricted as a dangerous good.  
ADR Shipping Name : Not restricted as a dangerous good.

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## SECTION 15 : REGULATORY INFORMATION

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### **Water :**

TSCA Inventory Status: Listed  
Canada DSL: Listed

### **Titanium dioxide :**

TSCA Inventory Status: Listed  
Canada DSL: Listed

### **Anhydrous aluminum silicate :**

TSCA Inventory Status: Listed  
Canada DSL: Listed

### **Nepheline Syenite :**

Canada DSL: Listed

### **Silica, crystalline - cristobalite :**

TSCA Inventory Status: Listed  
Canada DSL: Listed

### **Silica, amorphous, precipitated and gel :**

Canada DSL: Listed

### **Ethylene glycol :**

TSCA Inventory Status: Listed  
Section 313: EPCRA - 40 CFR Part 372 - (SARA Title III) Section 313 Listed Chemical.  
Canada DSL: Listed

### **Aluminum hydroxide :**

TSCA Inventory Status: Listed



Canada DSL: Listed

**Flux Calcined Diatomaceous Earth (DE) :**

TSCA Inventory Status: Listed

Canada DSL: Listed

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## SECTION 16 : ADDITIONAL INFORMATION

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**HMIS Ratings:**

HMIS Health Hazard: 1

HMIS Fire Hazard: 1

HMIS Reactivity: 0

SDS Creation Date: February 05, 2014

SDS Revision Date: March 02, 2017

SDS Format: In accordance with 2012 OSHA Hazardous Communication Standard

SDS Author: Actio Corporation

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