

***** Section 1 - Chemical Product and Company Identification *****

Manufacturer Information

Emergency Overview

***** Section 2 - Hazards Identification *****

May cause eye and skin irritation.

Potential Health Effects: Eyes

May cause severe eye irritation.

Potential Health Effects: Skin

Prolonged or repeated contact may cause skin irritation.

Potential Health Effects: Ingestion

Not considered a likely route of exposure under normal product use conditions. May cause gastrointestinal irritation if ingested.

Potential Health Effects: Inhalation

May cause respiratory tract irritation.

HMIS Ratings: Health: 2 Fire: 0 HMIS Reactivity 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

***** Section 3 - Composition / Information on Ingredients *****

| CAS # | Component | Percent |
|-----------|--------------------|---------|
| 7732-18-5 | Water | 70 |
| 1312-76-1 | Potassium silicate | 30 |

First Aid: Eyes

***** Section 4 - First Aid Measures *****

Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

First Aid: Skin

Flush skin with water. Remove contaminated clothing and wash before reuse and discard shoes.

First Aid: Ingestion

Do not induce vomiting. Immediately give two glasses of water or activated charcoal slurry. Call a physician. Never give anything by mouth to an unconscious person.

First Aid: Inhalation

Move person to non-contaminated air. If the affected person is not breathing, apply artificial respiration.

***** Section 5 - Fire Fighting Measures *****

General Fire Hazards

See Section 9 for Flammability Properties. Will not burn.

Hazardous Combustion Products

Not determined

Extinguishing Media

Use appropriate extinguishing media for surrounding fire.

Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

NFPA Ratings: Health: 2 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Containment Procedures

***** Section 6 - Accidental Release Measures *****

Stop the flow of material, if this is without risk.

Clean-Up Procedures

Spill area will be slippery; use care to avoid falling. Flush spill area with plenty of water.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

Special Procedures

None

Handling Procedures

*** Section 7 - Handling and Storage ***

Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

Storage Procedures

Store in a cool place. Keep drums tightly closed to avoid evaporation. Keep from freezing (freeze point below 0 °F /-35 °C)

*** Section 8 - Exposure Controls / Personal Protection ***

A: Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Engineering Controls

Good general ventilation should be provided.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Use chemical splash goggles.

Personal Protective Equipment: Skin

Wear coveralls and rubber gloves.

Personal Protective Equipment: Respiratory

None needed under normal product use conditions.

Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

*** Section 9 - Physical & Chemical Properties ***

| | | | |
|--|----------------------------|--|-------|
| Appearance: | Clear, colorless | Odor: | None |
| Physical State: | Liquid | pH: | 11-12 |
| Vapor Pressure: | ND | Vapor Density: | NA |
| Boiling Point: | 100°C (212°F) at 760 mm Hg | Melting Point: | NA |
| Solubility (H2O): | Soluble | Specific Gravity: | 1 |
| Freezing Point: | 0°C (32°F) | Evaporation Rate: | <1 |
| VOC: | ND | Octanol/H2O Coeff.: | ND |
| Flash Point: | NA | Flash Point Method: | NA |
| Upper Flammability Limit (UFL): | NA | Lower Flammability Limit (LFL): | NA |
| Burning Rate: | NA | Auto Ignition: | NA |

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

This is a stable material.

Chemical Stability: Conditions to Avoid

None

Incompatibility

Strong Acids.

Hazardous Decomposition

Will not occur.

Possibility of Hazardous Reactions

Will not occur.

Acute Dose Effects

*** Section 11 - Toxicological Information ***

A: General Product Information

No information available for the product.

B: Component Analysis - LD50/LC50

Water (7732-18-5)

Oral LD50 Rat >90 mL/kg

Potassium silicate (1312-76-1)

Oral LD50 Rat 1300 mg/kg

Carcinogenicity

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

***** Section 12 - Ecological Information *****

Ecotoxicity

A: General Product Information

No information available for the product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Potassium silicate (1312-76-1)

***** Section 13 - Disposal Considerations *****

US EPA Waste Number & Descriptions

Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

All wastes must be handled in accordance with local, state and federal regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

***** Section 14 - Transportation Information *****

US DOT Information

Shipping Name: Not regulated.

US Federal Regulations

***** Section 15 - Regulatory Information *****

Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

State Regulations

Component Analysis - State

None of this product's components are listed on the state lists from CA, MA, MN, NJ, PA, or RI.

Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

Additional Regulatory Information

Component Analysis - Inventory

| Component | CAS # | TSCA | CAN | EEC |
|--------------------|-----------|------|-----|--------|
| Water | 7732-18-5 | Yes | DSL | EINECS |
| Potassium silicate | 1312-76-1 | Yes | DSL | EINECS |

Other Information

*** * * Section 16 - Other Information * * ***

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.