



IF ON SKIN: Rinse exposed skin with plenty of water. If skin irritation occurs: get medical advice/attention.  
Wash contaminated clothing before reuse

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Sodium metasilicate	6834-92-0	< 1
Proprietary Surfactant Blend	Proprietary	< 5

### 4. FIRST AID MEASURES

#### FIRST AID MEASURES

<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention/advice.
<b>Skin contact</b>	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.
<b>Inhalation</b>	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
<b>Ingestion</b>	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
<b>Self-protection of the first aider</b>	Use personal protective equipment.

#### Most important symptoms and effects, both acute and delayed

**Symptoms** Irritation or pain in contact with skin or eyes.

#### Indication of any immediate medical attention and special treatment needed

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b><u>Suitable extinguishing media</u></b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	None known.
<b><u>Specific hazards arising from the chemical</u></b>	None identified.
<b>Hazardous combustion products</b>	May emit irritating vapors.
<b><u>Explosion Data</u></b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.
<b><u>Protective equipment and precautions for firefighters</u></b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Use personal protective equipment. Ensure adequate ventilation. Avoid contact with eyes, skin and clothing.

**For emergency responders** Use personal protection recommended in Section 8.

#### Environmental precautions

**Environmental precautions** Prevent release to surface water.

#### Methods and material for containment and cleaning up

**Methods for Containment** Dike to collect large liquid spills.

**Methods for Cleaning Up** Absorb with inert material and transfer to containers for disposal.

## 7. HANDLING AND STORAGE

#### Precautions for safe handling

**Handling** Wear personal protective equipment. Avoid contact with eyes, skin and clothing. Handle in accordance with good industrial hygiene and safety practice.

#### Conditions for safe storage, including any incompatibilities

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

**Incompatible materials** Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

**Exposure Guidelines** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

#### Appropriate engineering controls

**Engineering Measures** Safety Shower  
Eyewash station  
Ventilation system.

#### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Safety glasses with side-shields.

**Skin and Body Protection** Wear protective gloves/clothing.

**Respiratory Protection** In case of inadequate ventilation wear respiratory protection.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

<b>Physical State</b>	Viscous liquid	<b>Color</b>	pink
<b>Odor</b>	Mild		
<b>Odor threshold</b>	Not determined		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<b>pH</b>		Not determined	
<b>Melting point / freezing point</b>		Not determined	
<b>Boiling point / boiling range</b>	> 100 °C		
<b>Flash Point</b>		None to boiling point	Cleveland Open Cup

<b>Evaporation Rate</b>		Not determined
<b>Flammability (solid, gas)</b>		Not Applicable
<b>Flammability Limit in Air</b>		Not determined
<b>Upper flammability limit</b>		
<b>Lower Flammability Limit</b>		
<b>Vapor pressure</b>	< 0.01	mm Hg@ 20 °C
<b>Vapor Density</b>		Not determined
<b>Specific Gravity</b>	1.01	
<b>Water Solubility</b>	Soluble	
<b>Solubility in other solvents</b>		Not determined
<b>Partition coefficient</b>		Not Applicable
<b>Autoignition Temperature</b>		Not determined
<b>Decomposition temperature</b>		Not determined
<b>Kinematic viscosity</b>		Not determined
<b>Dynamic viscosity</b>		Not determined
<b>Explosive Properties</b>	None	
<b>Oxidizing Properties</b>	None	

**Other Information**

**VOC content** 48 gm/L

## 10. STABILITY AND REACTIVITY

**Reactivity** Not reactive  
**Remarks**

**Chemical stability** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

**Hazardous Reactions** None under normal processing.  
**Hazardous Polymerization** Hazardous polymerization does not occur.

**Conditions to Avoid** Extremes of temperature and direct sunlight

**Incompatible materials** Strong oxidizing agents.

**Hazardous Decomposition Products**

Thermal decomposition will may emit irritating vapors.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

**Inhalation** No known hazard.  
**Eye contact** Irritating to eyes.  
**Skin contact** Irritating to skin.  
**Ingestion** Ingestion may cause stomach discomfort.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium metasilicate 6834-92-0	= 1153 mg/kg ( Rat )	-	-

**Information on toxicological effects**

**Symptoms** Irritation or pain in contact with skin or eyes.

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

**Skin corrosion/irritation** Irritating to skin.  
**Serious eye damage/eye irritation** Irritating to eyes.  
**Sensitization** No known hazard.  
**Mutagenic Effects** No known hazard.  
**Carcinogenicity** Contains no listed human carcinogens at greater than 0.1%.

**Reproductive Toxicity** No known hazard.

**Developmental Toxicity** No known hazard.  
**Teratogenic** No known hazard.  
**STOT - single exposure** No known hazard.

**STOT - repeated exposure** No known hazard.

**Numerical measures of toxicity-Product Information** Not determined

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Sodium metasilicate 6834-92-0		LC50= 210 mg/L Brachydanio rerio 96 h		EC50 = 216 mg/L 96 h

**Persistence and degradability**

No data available.

**Bioaccumulation/Accumulation**

Not determined

**Mobility**

No data available.

**Other Adverse Effects**

None identified

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Waste Disposal Method** Dispose of in accordance with applicable regulations.

**Contaminated Packaging** Dispose of in accordance with applicable regulations.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

**IMDG / IMO** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

<b>TSCA</b>	Complies
<b>DSL</b>	Complies
<b>ENCS</b>	Not determined
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

**Legend**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List*  
*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*  
*ENCS - Japan Existing and New Chemical Substances*  
*IECSC - China Inventory of Existing Chemical Substances*  
*KECL - Korean Existing and Evaluated Chemical Substances*  
*PICCS - Philippines Inventory of Chemicals and Chemical Substances*  
*AICS - Australian Inventory of Chemical Substances*

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**U.S. State Regulations**

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazard 1</b>	<b>Flammability 1</b>	<b>Instability 0</b>	<b>Physical and Chemical Hazards n/a</b>
<b><u>HMIS</u></b>	<b>Health Hazard 1</b>	<b>Flammability 1</b>	<b>Physical hazards 0</b>	<b>Personal Precautions B</b>
<b>Prepared by</b>	Product Steward			
<b>Issuing Date</b>	13-Jul-2018			
<b>Revision Date</b>	13-Jul-2018			

**Revision Note****Reason for Revision**

Initial Issue

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**