

Precautionary Statements – Response

Immediately call A POISON CENTER or doctor/physician

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so.

Continue rinsing immediately call a POISON CONTROL or doctor/physician

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing, Immediately call a POISON CENTER or doctor/physician

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician Rinse mouth with water if person is conscious. Do not induce vomiting

Precautionary Statements – Storage

Store locked up

Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements –Disposal

Disposed of contents/container to an approved waste disposal plant

3. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>%</u>
Sodium Metasilicate	6834-92-0	<5
2-Butoxyethanol	111-76-1	<5

4. First aid measures

Eye contact: Check for and remove any contact lenses, if easy to do so. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin contact: After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with emollient. If irritation persists, seek medical attention.

Serious Skin Contact:

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation: Remove to fresh air and allow the victim to rest in a well ventilated area. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention

Ingestion: Do NOT induce vomiting. If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately.

Note to physician Treat symptomatically

5. Fire-fighting measures

Flash point: N/A

Flammability of the product: None, Material is not flammable

Extinguishing media:

Suitable: Appropriate Foam, CO2, Water spray, Water

Special exposure hazards: Emits toxic fumes, under fire conditions

Special protective equipment for fire-fighters: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. Accidental release measures

Personal precautions: Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves. Caution May be slippery.

Environmental precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12 Ecological Information. See Section 13, Disposal Considerations, for additional information

Methods for cleaning up Prevent further leakage or spillage if safe to do so.

Small spill: Dike and contain liquid. Absorb on sand or other absorbent. Floor may be slippery when wet.

Large spill: Dike area using protective clothing. Transfer to approved container for disposal. Pick up and transfer to properly labeled container

7. Handling and storage

Handling: User exposure: Do not breathe dust. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure.

Storage Store in a cool, dry, well ventilated area away from heat or flame. Do not destroy or deface the label on container.

8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

Engineering Controls Apply technical measures to comply with the occupational exposure limits. Local exhaust ventilation recommended. Eye wash stations. Showers.

Individual-protection measures, such as personal protective equipment

Eye/Face Protection	Chemical safety goggles
Skin and Body Protection	Wash contaminated clothing before reuse. Discard contaminated shoes. Wash thoroughly after handling.
Respiratory Protection	Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.
Hand:	Compatible chemical-resistant gloves.

9. Physical and chemical properties

Physical state	Liquid
Specific Gravity (H20=1)	1.06
Color	Clear
pH	12-13%
Boiling/condensation point	N/A
Reactivity in water	None
Solubility in water	Complete

10. Stability reactivity

Stability	Stable
Hazardous polymerization	Will not occur
Conditions to avoid	Excessive heat, direct sunlight, moisture
Materials to avoid	Such as aluminum, lead, zinc, tin
Hazardous decomposition products	None

11. Toxicological information

ROUTE OF EXPOSURE
Skin Contact: Causes burns

Skin Absorption: May be harmful is absorbed through the skin

Eye Contact: Causes burns

Inhalation: May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed

SIGNS AND SYMPTOMS OF EXPOSURE

Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis, and pulmonary edema. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting. Material is extremely destructive to tissue of the mucous and upper respiratory tract, eyes, and skin. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

TOXICITY DATA

Oral

Rat 847 mg/kg

LD50

12. Ecological information

No data available

13. Disposal considerations

Waste disposal:

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a license waste contractor. 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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

14. Transport information

Regulatory Information	UN number	Proper shipping name	Classes	PG*
DOT Classification	UN1759	Contains Sodium Metasilicate	8	II

15. Regulatory information

Proposition 65: Not listed

16. Other information

HMIS

Health Hazards

2

Flammability

0

Reactivity

0

Personal Protection

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Indicates information that has changed from previously issued version.

Disclaimer

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End of Safety Data Sheet