Safety Data Sheet

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Section 1. Chemical Product and Company Identification

Product Name Sour Cide
Product Use Laundry Sour
Product Code 0049
Date of Issue 02/27/2024
Supersedes

Emergency Telephone Numbers
Velocity EHS 1-800-255-3924 (24 HOURS)
(For use only in the event of emergencies involving a spill, leak, fire, exposure, or accident involving chemicals)

Section 2. Hazards Identification

Emergency Overview

DANGER

Health Hazards

Acute Toxicity; Inhalation	Category 4
Acute Toxicity; Dermal	Category 3
Acute Toxicity; Oral	Category 4

Precautionary Statements:

P261	Avoid breathing in mist, fumes, spray or vapors.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear eye protection, face shield, protective clothing, protective gloves.
P301+P312	If swallowed: Call a poison center or doctor if you feel unwell.
P302+P352	If on skin: Wash with plenty of water.
P304+P340	IF INHALED: Remove to fresh air and keep in a recovery position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P330	Rinse mouth.
P361	Take off immediately all contaminated clothing.
P363	Wash contaminated clothing before reuse.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Hazard Statements:

H302+H332	Harmful if swallowed or if inhaled
H311	Toxic in contact with skin
H402	Harmful to aquatic life

Routes of Entry **Dermal, Oral, and Inhalation**

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients	CAS Number	% by Weight
Silicate(2-), hexafluoro-, disodium	16893-85-9	40-50
Salt	7647-14-5	50-60

Section 4. First Aid Measures

Eye Contact Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. May be absorbed through the eyes and have toxic effects.

Skin Contact Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Get immediate medical advice/attention. This material is toxic in small amounts through skin contact and can cause adverse health effects or death. This material may be absorbed through the skin and eyes.

Inhalation When symptoms occur, go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention. Harmful if inhaled. Inhalation is likely to cause adverse health effects including but not limited to irritation, difficulty breathing, and unconsciousness.

Ingestion Do not induce vomiting. Rinse mouth. Seek medical attention. Toxic if swallowed or in contact with skin. Harmful if inhaled. Harmful if swallowed. This material is harmful in small amounts orally and can cause adverse health effects or death. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

Section 5. Fire Fighting Measures

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

Hazardous Combustion Products Thermal decomposition generates: Carbon oxides (CO, CO2). Sodium oxides. Hydrogen chloride gas. Silicon Tetrafluoride. Hydrogen Fluoride (HF).

Extinguishing Media Media applicable to surrounding fire

Unsuitable Extinguishing Media Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Fire Fighting Procedures Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. Do not allow run-off from firefighting to enter drains or water courses. Do not get water inside containers.

Section 6. Accidental Release Measures

Spill Clean Up Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill, or leak area in all directions. Ventilate area. Clean up spills immediately and dispose of waste safely. Recover the product by vacuuming, shoveling, or sweeping. Avoid generation of dust during clean-up of spills. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

Section 7. Handling and Storage

Handling and Storage Do NOT get in eyes, on skin or on clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work. Handle empty containers with care because they may still present a hazard. Use only outdoors or in a well-ventilated area. Do not breathe dust. Store in a dry, cool, and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up.
Incompatible Materials: Water, humidity. Strong acids, strong bases, strong oxidizers. Cyanides. Glass. Cement.

Section 8. Exposure Controls/Personal Protection

Exposure Limits

Product Name	OSHA PEL	NIOSH REL	AIHA WEEL	ACGIH TLV
None				

Engineering Controls Provide adequate ventilation to minimize dust concentrations. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Gas detectors should be used when toxic gases may be released.

Personal Protective Equipment (PPE)

Eyes Chemical safety goggles and face shield.
Body Wear suitable protective clothing.
Respiratory If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Section 9. Physical and Chemical Properties

Physical State	Powder	**Explosive Limits**	N/A
Color	White	**Vapor Pressure**	N/A
Odor	Slight sweet smell	**Vapor Density**	N/A
Odor Threshold	N/A	**Relative Density**	N/A
pH	2.5-3.5 (1% Solution)	**Solubility**	Water: 60 - 70% in cold water
Freezing Point	N/A	**Partition Coefficient**	N/A
Boiling Point	N/A	**Auto-Ignition Temp.**	N/A
Flash Point	Not combustible	**Decomposition Temp.**	N/A
Evaporation Rate	N/A	**Viscosity**	N/A
Flammability	Non-Flammable	**Specific Gravity**	N/A

Section 10. Stability and Reactivity

Stability and Reactivity	Stable
Incompatibility	Water, humidity. Strong acids, strong bases, strong oxidizers. Cyanides. Glass. Cement.
Hazardous Polymerization	Will not occur
Hazardous Decomposition Products	Thermal decomposition generates: Carbon oxides (CO, CO2). Sodium oxides. Hydrogen chloride gas. Hydrogen Fluoride (HF). Silicon Tetrafluoride.
Conditions to Avoid	Direct sunlight, extremely high or low temperatures, and incompatible materials.

Section 11. Toxicological Information

Routes of Entry	Dermal, Oral and Inhalation
Inhalation Irritant	Harmful if inhaled. Inhalation is likely to cause adverse health effects including but not limited to: irritation, difficulty breathing, and unconsciousness.
Skin Irritant	This material is toxic in small amounts through skin contact, and can cause adverse health effects or death. This material may be absorbed through the skin and eyes.
Eye Irritant	May be absorbed through the eyes and have toxic effects.
Sensitizers	Not determined
Mutagenicity	No information found
Carcinogenicity	None

Reproductive Toxicity No information found
Target Organs None

There is no toxicological data for this product as a whole. Based on relevant ingredients with known acute toxicity, the acute toxicity estimate using the additive formula (ATE) has been determined.

Acute Toxicity

Test	Results	Basis
Dermal	1,000.00 mg/kg	ATE determined beyond Category 4
Oral	416.67 mg/kg	ATE determined beyond Category 4
Inhalation	1.67 mg/l/4h	ATE determined Category 4

Section 12. Ecological Information

Environmental Effects Harmful to aquatic life.

Silicate(2-), hexafluoro-, disodium (16893-85-9)

LC50 Fish 1 65 mg/l (Exposure time: 96 h - Species: Poecilia reticulata [static])

Tinopal CBS (27344-41-8)

LC50 Fish 1 76 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])

EC50 Daphnia 1 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)

EC50 Other Aquatic Organisms 2 10 (10.0 - 11.0) mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus)

NOEC (acute) 1.37 mg/kg (Exposure time: 14 Days - Species: Eisenia foetida [soil dry weight])

Section 13. Disposal Considerations

Waste Information Dispose of in accordance with all Federal, State and Local pollution control regulations.

Section 14. Transportation Information

Regulatory Information	UN number	Proper Shipping Name	Classes	Packaging Group	Label Code
DOT Classification	UN3288	TOXIC SOLID, INORGANIC, N.O.S.(Sodium Silicoflouride)	6.1	III	6.1

Note: DOT Classification applies to most packaging sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

Section 15. Regulatory Information

US Federal Regulations The following substances are listed as a toxic chemical and are subject to report under the SARA act Section 313: Immediate (acute) health hazard

The following substances have CERCLA reportable quantity values (in pounds):
Silicate(2-), hexafluoro-, disodium (16893-85-9) - Listed on the United States TSCA (Toxic Substances Control Act) inventory
Tinopal CBS (27344-41-8) - Listed on the United States TSCA (Toxic Substances Control Act) inventory

State Regulations

Silicate(2-), hexafluoro-, disodium (16893-85-9)
RTK - U.S. - Massachusetts - Right To Know List
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

Tinopal CBS (27344-41-8)
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

Section 16. Other Information

Last Revision 2/27/2024

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.