

SAFETY DATA SHEET



SHIRT SOUR

1. PRODUCT AND COMPANY IDENTIFICATION

GHS PRODUCT IDENTIFIER: SHIRT SOUR

OTHER MEANS OF IDENTIFICATION:

Product Type Cleaning Powder, mixture

Product Code 20vl140

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:

Product Use Industrial cleaning. Professional use only.

Uses Advised Against none identified

SUPPLIER'S DETAILS:

SDS SUPPLIED BY:

Oliver Chemical Company, Inc.

2908 Spring Grove Avenue

Cincinnati, OH 45225

1-513-541-4540 (Monday – Friday 8:30 am – 4:30 pm)

MANUFACTURED BY:

Oliver Chemical Company, Inc.

2908 Spring Grove Avenue

Cincinnati, OH 45225

1-513-541-4540 (Monday – Friday 8:30 am – 4:30 pm)

DISTRIBUTED BY:

Indy Hanger and Supply

1440 Brookville Way

Indianapolis, IN 46239

(317) 285-0314

24 Hour Emergency Contact:

CHEMTREC 1-800-424-9300

2. HAZARD IDENTIFICATIONGHS CLASSIFICATION OF THE SUBSTANCE/MIXTURE:

	HEALTH		
H311	Toxic in contact with skin	ACUTE TOXICITY, DERMAL	3
H331	Toxic if inhaled	ACUTE TOXICITY, INHALATION	3
H301	Toxic if swallowed	ACUTE TOXICITY, ORAL	3
H319	Causes serious eye irritation	SERIOUS EYE DAMAGE/EYE IRRITATION	2A
	ENVIROMENTAL		
H412	Harmful to aquatic life with long lasting effects	HAZARDOUS TO THE AQUATIC ENVIROMENT, LONG TERM HAZARD	3

LABEL ELEMENTS:

SIGNAL WORD:

DANGERHAZARD STATEMENTS:**PHYSICAL**

Not Applicable

HEALTH

H311 Toxic in contact with skin.

H331 Toxic if inhaled.

H301 Toxic if swallowed.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:**PREVENTION**

- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash skin/eyes 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 protective gloves/protective clothing/eye protection/face protection.

RESPONSE

- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P330 Rinse mouth.
P302+P352 IF ON SKIN: Wash with plenty of water.
P361+364 Take off immediately all contaminated clothing and wash it before reuse.
P312 Call a POISON CENTER or doctor if you feel unwell.
P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P311 Call a POISON CENTER or a doctor/physician.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P321 Specific treatment (see First Aid information on product label and/or Section 4 of the SDS).

STORAGE

- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

DISPOSAL

- P501 Dispose of contents and container in accordance with applicable local, regional, and/or international regulations.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)

None identified.

3. COMPOSITION/INFORMATION ON INGREDIENTS**MIXTURE**

<u>HAZARDOUS COMPONENT</u>	<u>%</u>	<u>CAS NUMBER</u>
Sodium hexafluorosilicate	25	16893-85-9

4. FIRST-AID MEASURES

DESCRIPTION OF NECESSARY FIRST AID MEASURES:

INHALATION: If inhalation of dust, mists, vapors, or spray occurs and adverse effects result, remove to uncontaminated area. GET MEDICAL ATTENTION IMMEDIATELY.

SKIN CONTACT: Immediately flush contaminated areas with water. Remove contaminated clothing, jewelry and shoes. Wash contaminated areas with large amounts of water. GET MEDICAL ATTENTION IMMEDIATELY. Thoroughly clean and dry contaminated clothing before reuse.

EYE CONTACT: Immediately flush contaminated eyes with a direct stream of water for at least 15 minutes. Remove contact lenses, if present, then continue rinsing. GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION: If swallowed, do NOT induce vomiting. If vomiting occurs spontaneously, keep airway clear. Monitor airway. Rinse mouth. Never give anything by mouth to an unconscious or convulsive person. GET MEDICAL ATTENTION IMMEDIATELY.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

ACUTE SYMPTOMS/EFFECTS:

INGESTION (Swallowing): Ingestion of large amounts of fluoride may cause salivation, nausea, vomiting, abdominal pain, fever, labored.

SKIN: Symptoms may include redness, burning sensation (feeling), and sometimes ulcers.

INHALATION (Breathing): Can irritate the nose, throat, lungs causing coughing, wheezing and/or shortness of breath.

EYE: Contact with eyes may cause severe irritation, and possible eye burns.

DELAYED SYMPTOMS/EFFECTS:

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY:

Medical Conditions Aggravated by Exposure: May aggravate pre-existing eye, skin, and respiratory conditions (including asthma and other breathing disorders).

Protection of First-Aiders: Refer to Section 8 for specific personal protective equipment recommendations.

Notes to Physician: Medical observation and assessment is recommended for all ingestions, all eye exposures, inhalation and dermal exposures. Follow normal parameters for airways, breathing, and circulation.

5. FIRE-FIGHTING MEASURES

SUITABLE (AND UNSUITABLE) EXTINGUISHING MEDIA:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.

Use extinguishing procedures appropriate for surrounding fire.

SPECIFIC HAZARDS:

Flash Point: N/A

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:

In the event of a fire, wear NIOSH approved positive-pressure self-contained breathing apparatus operated in pressure demand mode. Avoid contact with skin.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PERCAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Avoid contact with skin, eyes and clothing. Avoid dust formation. Avoid breathing dust, vapors, mist or gas. Wear appropriate personal protective equipment recommended in section 8, Exposure Controls / Personal Protection, of the SDS. Evacuate non-essential personnel to safe areas.

ENVIROMENTAL PRECAUTIONS:

Keep out of water supplies and sewers. Discharge to the environment must be avoided. Releases should be reported, if required, to appropriate agencies.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

In case of spill or leak, stop the leak as soon as possible. Small and large spills: Contain spilled material if possible. Sweep and shovel materials without creating dust. After containment, collect the spilled material and transfer to a chemical waste area. Liquid material may be removed with a vacuum truck. See Section 13, Disposal Considerations, of the SDS for additional information.

7. HANDLING AND STORAGE

PERCAUTIONS FOR SAFE HANDLING:

Avoid contact with skin and eyes. Avoid formation of dust. Never add water to this product. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Provide appropriate exhaust ventilation at places where dust is formed.

CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES:

Store and handle in accordance with all current regulations and standards. Keep container tightly closed and properly labeled. Keep container in a cool, well-ventilated area.

Incompatibilities / Materials to avoid:

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**CONTROL PARAMETERS:****Occupational Exposure Limits:**

Regulatory Exposure Limit(s):

CHEMICAL NAME	CAS NUMBER	OSHA Final PEL TWA
Sodium hexafluorosilicate	16893-85-9	No value

Non-Regulatory Exposure Limit(s):

CHEMICAL NAME	CAS NUMBER	ACGHIA
Sodium hexafluorosilicate	16893-85-9	No value

The Non-Regulatory OSHA limits, if shown are the Vacated 1989 PEL's (vacated by 58 FR 35338, June 30, 1993).

OSHA: Occupational Safety and Health Administration.

ACGIH: The American Conference of Governmental Industrial Hygienists.

PEL: Permissible Exposure Limit; **TWA:** Time Weighted Average; **STEL:** Short Term Exposure Limit;

TLV: Threshold Limit Values;

ENGINEERING CONTROLS:

Provide local exhaust ventilation where dust or mist may be generated. Avoid raising dust. Ensure compliance with applicable exposure limits. The level of protection and types of controls will vary depending upon potential exposure conditions.

PERSONAL PROTECTIVE EQUIPMENT:

Eye Protection: Wear chemical safety goggles with a face-shield to protect against eye and skin contact when appropriate. Provide an emergency eye wash fountain and a quick drench shower in the immediate work area.

Skin and Body Protection: Wear protective clothing to minimize skin contact. Contaminated clothing should be removed, then laundered before reuse.

Hand Protection: Wear appropriate chemical resistant gloves. Consult a glove supplier for assistance in selecting an appropriate chemical resistant glove.

Respiratory Protection: A NIOSH approved respirator with N95 dust/mist cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure.

A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

Protective material types: Butyl rubber, Natural rubber, Nitrile, Polyvinyl chloride (PVC), Tyvek®

9. PHYSICAL AND CHEMICAL PROPERTIES

<u>APPEARANCE:</u>	POWDER/WHITE
<u>ODOUR:</u>	ODORLESS
<u>ODOUR THRESHOLD:</u>	NO DATA AVAILABLE
<u>pH:</u>	3
<u>MELTING POINT:</u>	NO DATA AVAILABLE
<u>FREEZING POINT:</u>	NO DATA AVAILABLE
<u>INITIAL BOILING POINT/RANGE:</u>	NO DATA AVAILABLE
<u>FLASH POINT:</u>	NOT FLAMMABLE
<u>EVAPORATION RATE:</u>	NO DATA AVAILABLE
<u>FLAMMABILITY (SOLID, GAS):</u>	NOT FLAMMABLE
<u>UPPER FLAMMABILITY OR EXPLOSIVE LIMITS:</u>	NOT APPLICABLE
<u>LOWER FLAMMABILITY OR EXPOSIVE LIMITS:</u>	NOT APPLICABLE
<u>VAPOUR PRESSURE:</u>	Nil
<u>VAPOUR DENSITY:</u>	NO DATA AVAILABLE
<u>RELATIVE DENSITY:</u>	1
<u>SOLUBILITY (water):</u>	.65 g/l
<u>PARTITION COEFFICIENT (n-octanol/water):</u>	NOT APPLICABLE
<u>AUTO-IGNITION TEMPERATURE:</u>	NOT APPLICABLE
<u>DECOMPOSITION TEMPERATURE:</u>	NO DATA AVAILABLE
<u>VISCOSITY:</u>	NO DATA AVAILABLE

10. STABILITY AND REACTIVITY

<u>REACTIVITY:</u>
No data
<u>CHEMICAL STABILITY:</u>
Stable under normal use and storage conditions.
<u>POSSIBILITY OF HAZARDOUS REACTIONS:</u>
None known.
<u>CONDITIONS TO AVOID:</u>
Incompatibles.
<u>INCOMPATIBLE MATERIALS:</u>
Strong oxidizing agents.
<u>HAZARDOUS DECOMPOSITION PRODUCTS:</u>
Hydrogen fluoride, Sodium oxides, silicon oxides.

11. TOXICOLOGICAL INFORMATION**LIKELY ROUTES OF EXPOSURE:**

INHALATION – Causes serious irritation.

EYE CONTACT - Causes serious eye irritation.

SKIN CONTACT – Causes mild to moderate skin irritation.

INGESTION: - Harmful if swallowed.

DELAYED AND IMMEDIATE EFFECTS; SHORT AND LONG TERM:

Signs and symptoms of exposure vary, and are dependent on route of exposure, degree and duration of exposure.

COMPONENT INFORMATION:

Chemical Name	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation	Species
Sodium hexafluorosilicate	16893-85-9	125 mg/kg	70 mg/kg (Rabbit)	125 mg/kg	Rat

12. ECOLOGICAL INFORMATION**ECOTOXICITY:**

Acute Toxicity	Parameter	Value	Duration	Species	Test Design
Fresh water fish	LC50	49 mg/l	96 hr	Lepomis macrochirus	static bioassay

PERSISTENCE AND DEGRADABILITY:

Persistence: No data available.

Degradability: No data available.

BIOACCUMULATIVE POTENTIAL:

No data available.

MOBILITY IN SOIL:

No data available.

OTHER ADVERSE EFFECTS:

No data available.

13. DISPOSAL CONSIDERATIONS

Under 40 CFR 261.3, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets criteria for hazardous waste. Disposal should be in accordance with regional, national and local laws and regulations.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION**DOT PROPER SHIPPING NAME:**

Sodium Fluorosilicate, granular

UN NUMBER:

UN 2674

CLASS:

6.1

PACKING GROUP:

III

PLACARD:

RQ 1000 lbs.

15. REGULATORY INFORMATION**US FEDERAL REGULATIONS:****SARA 313**

This product contains no known chemicals that exceed the threshold reporting levels under SARA 313.

OSHA REGULATORY STATUS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

16. OTHER INFORMATION**HMS RATINGS:**

HEALTH 2

FLAMMABILITY 0

PHYSICAL 0

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Disclaimer:

This Safety Data Sheet was prepared in accordance with 29 CFR 1910.1200. Information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication, it is the user's responsibility to determine the safety, toxicity and suitability for their own use of the product described herein. Since actual use by others is beyond our control, no guarantee expressed or implied is made by Oliver Chemical Company, Inc. as to the effects of such use, the results to be obtained or the safety and toxicity of the product nor does Oliver Chemical Company, Inc. assume any liability arising out of use by others of the product referred herein nor is the information herein to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.