

# Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

# U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory-Form)

Form Approved

OMB No. 1218-0072

|   |  |
|---|--|
| <b>IDENTITY (As Used on Label and List)</b><br>SHIR SAFE SOUR | <i>Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.</i> |
|---|--|

|   |  |  |  |
|---|--|--|--|
| <b>Section I – Identity</b>   |  | NA = Not Applicable NIA = No Information Available |  |
| Manufacturer's Name<br>DIAMOND CHEMICAL COMPANY, INC.   | Emergency Telephone Number<br>1 800 535 5053       |  |  |
| Address (Number, Street, City, State, and ZIP Code)<br><b>UNION AVENUE &amp; DUBOIS AVENUE EAST RUTHERFORD NJ 07073</b> | Telephone Number For Information<br>(201) 935 4300 |  |  |
|   | Date Prepared                                      |  |  |
| <b>Chemical Family</b><br>LAUNDRY SOUR  | Signature of Preparer (optional)                   |  |  |

| <b>Section II – Hazardous Ingredients</b> |            |          |                |              |             |
|---|------------|----------|----------------|--------------|-------------|
| Chemical Identity; Common Name(s)         | CAS #      | OSHA PEL | ACGIH TLV      | Other Limits | %(optional) |
| SODIUM HYDROGEN DIFLUORIDE                | 1333-83-1  |          | 2.5 MG/M3 AS F |              |             |
| DISODIUM HEXAFLUROSILICATE                | 16893-85-9 |          | 2.5 MG/M3 AS F |              |             |
|   |            |          |                |              |             |
|   |            |          |                |              |             |
|   |            |          |                |              |             |
|   |            |          |                |              |             |
|   |            |          |                |              |             |

|  |            |                                       |      |
|--|------------|---------------------------------------|------|
| <b>Section III – Physical Data</b>                                 |            |                                       |      |
| Boiling Point  | 212 DEG. F | Specific Gravity (H <sub>2</sub> O=1) | 1.02 |
| Vapor Pressure (mm Hg.)  | NA         | Melting Point                         | NA   |
| Vapor Density (AIR=1)  | NA         | Evaporation Rate (Butyl Acetate = 1)  | NA   |
| pH ,1%   | NA         | % Voatile                             | O    |
| Solubility In Water<br>COMPLETE                                    |            |                                       |      |
| Appearance and Odor<br>LIGHT GREEN FREE FLOWING POWDER; BLAND ODOR |            |                                       |      |

|   |                  |           |           |
|---|------------------|-----------|-----------|
| <b>Section IV – Fire and Explosion Hazard Data</b>  |                  |           |           |
| Flash Point (Method Used)<br>NON FLAMMABLE  | Flammable Limits | LEL<br>NA | UEL<br>NA |
| Extinguishing Media<br>NON-FLAMMABLE  |                  |           |           |
| Special Fire Fighting Procedures<br>NUSE SELF CONTAINED BREATHING APPARATUS   |                  |           |           |
| Unusual Fire and Explosion Hazards<br>TOXIC GASES MAY BE EMITTED UNDER FIRE CONDITIONS-ACID TYPE RESPIRATOR WOULD BE REQUIRED |                  |           |           |

**Section V – Physical Hazards / Reactivity Data**

|           |          |   |               |
|-----------|----------|---|---------------|
| Stability | Unstable |   | Conditions to |
|           | Stable   | Y | STRONG ALKALI |

Incompatibility (*Materials to Avoid*)

STRONG ALKALI, FERROUS MATERIALS

## Hazardous Decomposition or Byproducts

HYDROFLOURIC ACID, SILICOTETRAFLOURISE

|                          |                |   |                     |
|--------------------------|----------------|---|---------------------|
| Hazardous Polymerization | May Occur      |   | Conditions to Avoid |
|                          | Will Not Occur | Y | NONE                |

**Section VI – Health Hazard Data**

|                     |             |       |            |
|---------------------|-------------|-------|------------|
| Routes(s) of Entry: | Inhalation? | Skin? | Ingestion? |
|                     | YES         | YES   | YES        |

Health Hazards (*Acute and Chronic*)

CONTACT MAY BE IRRITATING AND CORROSIVE, IF WET, TO SKIN AND EYE. MAY BE FATAL IF INGESTED

|                  |      |                  |                 |
|------------------|------|------------------|-----------------|
| Carcinogenicity: | NTP? | IARC Monographs? | OSHA Regulated? |
|                  | NO   | NO               | NO              |

## Signs and Symptoms of Exposure

## Medical Conditions Generally Aggravated by Exposure

OPEN WOUNDS AND SORES. RESPIRATORY AILMENTS LIKE EMPHYSEMA

**Section VII – First Aid Measures**

## 1. Inhalation

REMOVE TO FRESH AIR. CALL PHYSICIAN.

## 2. Eyes

FLUSH WITH WATER FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION IMMEDIATELY.

## 3. Skin

WASH WITH SOAP AND WATER.

## 4. Inhalation

DRINK LARGE AMOUNTS OF WATER. INDUCE VOMITING. SEE PHYSICIAN IMMEDIATELY.

**Section VIII – Preventive Measures**Respiratory Protection (*Specify Type*)

DUST PARTICLE MASK

|             |  |                          |
|-------------|--|--------------------------|
| Ventilation | Local Exhaust<br>NONE REQUIRED                 | Special<br>NONE REQUIRED |
|             | Mechanical ( <i>General</i> )<br>NONE REQUIRED | Other                    |

|                             |  |
|-----------------------------|--|
| Protective Gloves<br>RUBBER | Eye Protection<br>SPLASH PROOF GOGGLES |
|-----------------------------|--|

## Other Protective Clothing or Equipment

RUBBER APRON

## Work/Hygienic Practices

**Section IX – Special Precautions / Spill Leak Procedures**

## Steps to Be Taken in Case Material is Released or Spilled

SMALL SPILLS-PUT ABSORBANT ON EXCESS. SWEEP UP SPENT ABSORBANT. PLACE INTO CLOSED CONTAINER FLUSH AREA WITH WATER.

## Waste Disposal Method

IN ACCORDANCE WITH LOCAL, STATE &amp; FEDERAL REGULATIONS REGARDING DISPOSAL

## Precautions to Be Taking in Handling and Storing

STORE IN DRY AREA. AVOID BREATHING DUST AND PROLONGED SKIN CONTACT.

## Other Precautions

PERSONAL HYGIENE IS VERY IMPORTANT.

**Section X– Other Information**