# SAFETY DATA SHEET

8/19/2015

## Sour R Intermediate

### SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Manufacturer's Name: Pariser Industries
Address : 91 Michigan Ave
Paterson, NJ 07503
Website : www.Pariserchem.com
Phone : 973-569-9090
Emergency Phone : 1-800-424-9300 (Chemtrec)
Chemtrec Contract : CCN16764

T : 973-569-9090
F : 973-569-9101
Info@Pariserchem.com

Date Printed: 8/19/2015
Name of Preparer: Environmental Dept

Product Name: Sour R Intermediate
CAS No. : Mixture
Product Form: Powder
Trade Secret Registry # 307554-5007P

HMIS Codes:

| H | F | R | P |
|---|---|---|---|
| 2 | 0 | 0 | E |

UN Number:
UN3290
Recommended Use of Chemical: Industrial

### SECTION 2 – HAZARDS IDENTIFICATION

**Carcinogenicity:**
NTP Carcinogen: No IARC Monographs: No OSHA Regulated: No

**GHS Classification:**



**GHS Environmental Statements:**
N/A

**GHS Health Statements:**
Acute Toxicity Oral (3) Acute Toxicity Inhalation (3) Acute Toxicity Dermal (3) Skin Corrosion (1B) Serious Eye Damage (1)

**GHS Physical Statements:**

**GHS Hazard Statements:**
H301 H311 H331: Toxic if swallowed, in contact with skin or if inhaled
H314: Causes severe skin burns and eye damage

**GHS Precautionary Statements:**
P261: Avoid breathing dust/fume/gas/mist/vapours/spray
P280: Wear protective gloves/protective clothing/eye protection/face protection
P301+310+331: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse Mouth
P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P405: Store locked up
P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

**GHS Signal Word:** Danger

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## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

**Name of Chemical Contributing to Known Hazards:**
SODIUM FLUOROSILICATE
AMMONIUM BIFLOURIDE

**Common Name of Chemical Contributing to Known Hazards:**
pH buffer

| Name | Product Identifier (CAS No) | % |
|---|---|---|
| SODIUM FLUOROSILICATE | 16893-85-9 | 20-90 |
| AMMONIUM BIFLOURIDE | 1341-49-7 | 10-45 |
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## SECTION 4 – FIRST AID MEASURES

**Emergency and First Aid Procedures**

**First – Aid Measures General:**
Check the vital functions. Unconscious: Maintain adequate airway and respiration. Respiratory Arrest: Artificial respiration or oxygen. Cardiac Arrest: Perform resuscitation. Victim conscious with labored breathing: Half-seated. Victim in Shock: On his back with legs slightly raised. Vomiting: Prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim

calm, avoid physical strain. Depending on the victim's condition: Doctor/Hospital. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show label where possible).

**First – Aid Measures after Inhalation:**
Remove the victim into fresh air. Respiratory Problems: consult a doctor/medical service. Remove to fresh air and keep at rest in a position comfortable for breathing. If symptoms continue seek medical attention.

**First – Aid Measures after Skin Contact:**
Wash immediately with lots of water (15 minutes)/shower. Do not apply (chemical) neutralizing agents. Remove clothing while washing. Cover wounds with sterile bandage. Consult a doctor/medical service if required.

**First – Aid Measures after Eye Contact:**
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms continue seek medical attention.

**First – Aid Measures after Ingestion:**
Rinse mouth with water. Immediately after ingestion: Give lots of water to drink. Do not induce vomiting. Do not give activated charcoal. Do not give chemical antidote. Immediately consult a doctor/medical service. Ingestion of large quantities: Go immediately to hospital.

**Most Important Symptoms and Effects (Acute and Delayed)**

**Symptoms/Injuries after Inhalation:**
Dry/sore throat. Coughing. Irritation of the respiratory tract and/or nasal mucous membranes. Delayed symptoms include possible laryngeal spasm/oedema. Risk of lung oedema. Respiratory difficulties.

**Symptoms/Injuries after Skin Contact:**
Absorption through skin could cause itching, irritation, and rashes.

**Symptoms/Injuries after Eye contact:**
Contact can cause irritation or burning in eyes.

**Symptoms/Injuries after Ingestion:**
Vomiting, diarrhea, burns to the gastric/intestinal mucosa. Possible esphageal perforation. Bleeding of the gastrointestinal tract. Shock. In high quantities disturbances of conciousness could exist.

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## SECTION 5 – FIRE-FIGHTING MEASURES

**Extinguishing Media:**
Use Dry Powder or Carbon Dioxide ($CO_2$), do not use water.

**Unsuitable Extinguishing Media:**
Water

**Hazards Arising From the Chemical:**
Smoke may contain original material which may be toxic and/or irritating.

**Advice for Firefighters**

**Precautionary Measures\Firefighting Instructions:**

Exposure to fire/heat: keep upwind, consider evacuation, have neighborhood close doors and windows. Cool tanks/drums with water spray/remove them into safety. Dilute toxic gases with water spray. Take account of toxic fire-fighting water. Use water moderately and if possible collect or contain it.

**Special Protective Equipment:**
Heat/fire exposure: Compressed air/oxygen apparatus.

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## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment, and Emergency Procedures**

**Protective Equipment:**
Gloves and Goggles. Wear additional appropriate protective equipment and clothing when necessary.

**Emergency Procedures:**
Mark the danger area. Ensure adequate ventilation. No naked flames. Wash contaminated clothes. Large spills/in confined spaces: Consider evacuation.

**Environmental Precaution:**
Prevent soil and water pollution. Prevent spreading in sewers. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

**Methods and Material for Containment and Cleaning Up**

**Containment:**
See "Methods for Clean Up" below

**Methods for Clean Up:**
Pick up and arrange disposal without creating dust. Sweep up and shovel. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

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## SECTION 7 - HANDLING AND STORAGE

**Precautions for Safe Handling:**
Wear appropriate personal protective equipment. Open containers slowly, on a stable surface. Containers of this product must be properly labeled. Keep container tightly closed when not in use. Wash thoroughly after using this material. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged. Empy containers may contain residual materials, therefore, empty containers should be handled with care.

**Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions:**
Store in a dry area. Keep only in the original container in a cool, well ventilated place, away from direct sunlight and sources of intense heat. Keep container closed when not in use. Protect against freezing. Store away from incompatible materials. Provide for a tub to collect spills. Unauthorized persons are not admitted. If appropriate, post warning signs in storage and use areas. Meet the legal requirements.

**Incompatible Materials & Products:**

Acids. Aluminum Cyanides Magnesium Glass Metals.

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control Parameters**

**Occupational Exposure Limits:** U.S. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components | CAS # | Type | Value |
|---|---|---|---|
| SODIUM FLUOROSILICATE | 16893-85-9 | TWA | 2.5 mg/m3 |
| SODIUM FLUOROSILICATE | 16893-85-9 | | |

**Appropriate Engineering Controls:**
Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation.

**Individual Protection Measures**
Avoid all unnecessary exposure.

**Personal Protective Equipment**

**Hand Protection:**
Wear protective gloves.

**Eye Protection:**
Chemical goggles or face shield.

**Skin and Body Protection:**
Corrosion-proof clothing.

**Respiratory Protection:**
Wear appropriate mask.

**Other Information:**
Do not eat, drink, or smoke during use.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Physical State:** | Powder |
| **Color:** | White |
| **Odor:** | N/A |
| **Odor Threshold:** | No Data Available |
| **pH:** | 2.9-3.9 |
| **Melting Point:** | No Data Available |
| **Freezing Point:** | No Data Available |
| **Boiling Point:** | NA |

| | |
|---|---|
| **Boiling Point Range:** | No Data Available |
| **Flashpoint:** | N/A |
| **Evaporation Rate:** | No Data Available |
| **Flammability (Solid, Gas):** | No Data Available |
| **Explosive Limits:** | No Data Available |
| **Vapor Pressure:** | No Data Available |
| **Vapor Density @ 20C:** | No Data Available |
| **Specific Gravity:** | 1 |
| **Solubility**: | Soluble in water |
| **Partition Coefficient (n-octanol/water):** | No Data Available |
| **Auto-Ignition Temperature:** | No Data Available |

## SECTION 10 – STABILITY AND REACTIVITY

**Stability:**
Stable under normal conditions

**Possibility of Hazardous Reactions:**
In the presence of water, contact with metals can produce hydrogen which may form flammable mixtures with air.

**Conditions to Avoid:**
Avoid contact with acids. Aluminum Cyanides Magnesium

**Incompatibility (Materials to Avoid):**
Acids.
Aluminum
Cyanides
Magnesium
Glass
Metals.

**Hazardous Decomposition Products:**
Hydrofluoric Acid

**Hazardous Polymerization:**
Will Not Occur

## SECTION 11 – TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Prolonged contact with the undiluted material may cause irritation.

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|---|---|---|---|---|
| 16893-85-9 | SODIUM FLUOROSILICATE | LD50 Oral | Rat | >25-<2000 mg/kg |
| 16893-85-9 | SODIUM FLUOROSILICATE | LC50 Inhalalation | | 1814 mg/l |

**Carcinogenicity:** Not Classified
**Germ Cell Mutagenicity:** Not Classified

**Routes of Exposure/Symptoms of Exposure**
**Symptoms/Injuries after Inhalation:**
Dry/sore throat. Coughing. Irritation of the respiratory tract and/or nasal mucous membranes. Delayed symptoms include possible laryngeal spasm/oedema. Risk of lung oedema. Respiratory difficulties.
**Symptoms/Injuries after Skin Contact:**
Absorption through skin could cause itching, irritation, and rashes.
**Symptoms/Injuries after Eye Contact:**
Contact can cause irritation or burning in eyes.
**Symptoms/Injuries after Ingestion:**
Vomiting, diarrhea, burns to the gastric/intestinal mucosa. Possible esphageal perforation. Bleeding of the gastrointestinal tract. Shock. In high quantities disturbances of conciousness could exist.
**Chronic Symptoms:**
Prolonged exposure may cause chronic effects.

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## SECTION 12 – ECOLOGICAL

**Ecotoxicity:** Harmful to Aquatic Life

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|---|---|---|---|---|
| 16893-85-9 | SODIUM FLUOROSILICATE | LC50 | Fish (Dario rerio - zebrafish) | 37.5 mg/l, 96 hrs |
| 16893-85-9 | SODIUM FLUOROSILICATE | EC50 | Daphnia (water flea) | 35.4 mg/l, 48 hrs |

**Persistence and Degradability:** No Data Available.
**Bioaccumulative Potential:** Not expected to bioaccumulate.
**Mobility in Soil:**
**Other Adverse Effects:** Avoid release to the environment.

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## SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Disposal Method:**
Dispose in an approved waste management facility. Care must be taken when using or disposing of chemical materials and/or their containers to prevent environmental contamination. It is your duty to dispose of the chemical materials and/or their containers in accordance with all Federal, State, Local, and National regulations regarding disposal. Do not discharge into surface water. Avoid release to the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal. Since empty containers may contain product residue follow label warinings even after container is empty.

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## SECTION 14 – TRANSPORT INFORMATION

**DOT:**

**UN Number:** UN3290
**UN Proper Shipping Name:** TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S. (SODIUM FLUOROSILICATE, AMMONIUM HYDROGENDIFLUORIDE, SOLID)
**Transport Hazard Class:** 6.1
**Subsidiary Hazard Class(es):** 8
**Packaging Group:** II
**Special Precautions/Provisions:** 49CFR Parts 100-185, Emergency Response Guidebook #154

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## SECTION 15 – REGULATORY INFORMATION

**US Federal Regulations**

**CERCLA Hazardous Substance List (40 CFR 302.4):** Not Listed
**DOT:** 49CFR Parts 100-185
**SARA 302 (Extremely Hazardous Substance):** No
**SARA 311/312 Hazardous Chemical:** Yes
**SARA 313 (TRI reporting):** No

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## SECTION 16 – OTHER INFORMATION

**Date of Preparation of SDS/Date of Last Change:** August 19, 2015

**Disclaimer:**
The information in this SDS was obtained from current and reliable sources, and to the best knowledge of Pariser Industries is deemed to be accurate. However, the data is provided without any warranty, expressed or implied, regarding its correctness and accuracy. Since the conditions for use, handling, storage, and disposal of this product are beyond the control of Pariser Industries, it is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage, or expense arising out of the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement of omission in this SDS. Various government agencies (e.g. DOT, EPA, FDA) may have specific regulations concerning the transportation, handling, storage, use or disposal of this product, which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.