**SECTION 1 - PRODUCT IDENTIFICATION**

Company Name: Daley International (Peck’s Products Division)  
Address: 4100 W. 76th Street, Chicago, IL 60652  
Product Name / ID#: Rebound (300893)  
Product Type: Liquid Softener / Sour

**SECTION 2 - HAZARDOUS INGREDIENTS**

Chemical Name/Common Name: Hydrofluorosilicic Acid  
Cas No.: 16961-83-4  
Percent (optional): < 15%  
TLV (Source): 2.5 mg/m³

- Contains no substances

**SECTION 3 - PHYSICAL DATA**

Boiling Point (°F): > 212°F  
Specific Gravity (H₂O=1.0): 1.1405  
pH: 0.005  
% VOC (ww): < 1.0%

Solubility In Water: Complete  
Evaporation Rate (vs H₂O): Slight

Appearance and Odor: Clear, liquid. Nil acid odor.

**SECTION 4 - FIRE AND EXPLOSION HAZARD DATA**

Flammable Limits: None to boiling  
Extinguishing Media: Use agent appropriate for surrounding fire.

Special Fire Fighting Procedures: Self contained acid suits.

Unusual Fire Explosion Hazards: Releases Hydrogen Gas upon contact with many metals. Decomposes above 227 °F producing toxic & corrosive fluoride fumes.

**SECTION 5 - REACTIVE DATA**

Stability: Stable  
Incompatibility: Strong concentrated acids; bases; readily oxidizable materials; alkali metals; glass

Hazardous Decomposition Products: Hydrogen gas, fumes of hydrogen fluoride, silica tetrafluoride.

**SECTION 6 - HEALTH HAZARDS**

Threshold Limit Value Product: None Established  
Primary routes of Exposure: Eyes, Skin, Inhalation

Signs Symptoms of Over-exposure (Acute): May cause burns to eyes. May cause burns to skin. Extreme nausea if swallowed with damage to throat and stomach. Drowsiness and severe irritation to lungs, nose and throat if inhaled. NOTE: Some conditions may require immediate treatment.

Signs Symptoms of Over-exposure (Chronic): Prolonged exposure could result in bone changes, corrosive effect on mucous membranes, pulmonary edema, Fluorosis, coma and death.

Medical Conditions Aggravated by Over-exposure: Any skin condition and/or pre-existing respiratory disease including asthma and emphysema.

Carcinogen/Suspected Carcinogen Ingredients: NTP, OSHA

**SECTION 7 - FIRST AID PROCEDURES**

- Eyes: Flush with plenty of water for at least 15 minutes while holding eyelids apart. Consult physician immediately.
- Skin: Flush with plenty of water for a minimum of 15 minutes. Remove contaminated clothing and wash before reuse.
- Ingestion: If fully conscious. Give large quantities of water to dilute. Do NOT induce vomiting. Get medical attention immediately.
- Inhalation: Remove to fresh air. If qualified, give oxygen or artificial respiration as needed and/or seek medical help.

**SECTION 8 - SPECIAL PROTECTION INFORMATION**

Respiratory Protection: Use NIOSH approved cartridge respirator which provides protection against Hydrogen Fluoride fumes.

Ventilation requirements: Mechanical

Protective Gloves: Rubber gloves.

Other Protective Clothing: Chemical apron when handling large volumes of material or if splashing is anticipated.

**SECTION 9 - SPILL OR LEAK PROCEDURES**

Steps to be Taken if Released or Spilled: Contains small amount of hydrofluoric acid. In case of contact with skin, wash with water and soap. Consult physician immediately.

Waste Disposal Methods: Check all government regulations. Solids must be disposed of in a permitted waste management facility.

**SECTION 10 - STORAGE AND HANDLING INFORMATION**

Precautions to be Taken in handling and Storage: Keep from freezing. Store so as to be inaccessible to children. Wash thoroughly after handling.