

MATERIAL SAFETY DATA SHEET

Haddon Equipment and Supplies
8441 Main Street
Vancouver BC V5X 3Y2

Phone: (604) 325-3281
In Case of Emergency Only:
Phone CANUTEC: (613) 996-6666
Valid: Nov. 2011 - Nov. 2013

PRODUCT NAME: LAUNDRY SOUR **CODE: L514**
OTHER NAME:
DISTRIBUTED BY:

WHMIS CLASSIFICATION: E; D1B
TDG CLASSIFICATION: SODIUM FLUOROSILICATE; Class 6.1; UN 2674; PG III

HAZARDOUS INGREDIENTS	%WT/WT	CAS NO.	TOXICITY DATA (LD₅₀ & LC₅₀)
Sodium Fluorosilicate	40-70	16893-85-9	LD ₅₀ Oral (rat) 125 mg/kg ACGIH TLV - 2.5 mg/m ³ (as fluoride) LD ₅₀ Inhalation (rat) 33 mg/m ³ / for 6 hrs.

PHYSICAL DATA FOR PRODUCT

Physical State: Solid
Boiling Point: Not Avail.
Vapour Density: N/A
Freezing Point: Decomposes at 325 °C
Solubility in Water: 2 %
Appearance & Odour: Blue granular powder.

Sp. Gravity: Not Avail.
Vapour Pressure: N/A
Evaporation Rate: N/A

pH: 3.4

FIRE AND EXPLOSION DATA FOR PRODUCT

Flash Point (Test Method): N/A
Flammable Limits in Air, % by vol. Non-flammable Lower: N/A Upper: N/A
Fire Extinguishing Substances: (X) Water Fog () Foam (X) CO₂
(X) Dry Chem () Other: Use water only in the form of fog.

Hazardous Combustion Products: Hydrogen fluoride and silicon tetra fluoride.

Special Firefighting Procedures: Use self contained breathing apparatus and protective clothing.

REACTIVITY DATA FOR PRODUCT

Incompatibility: () Water (X) Oxidizing Material () Acid () Base () Other:
Hazardous Decomposition Products: May liberate hydrogen fluoride and silicon tetrafluoride.

Chemical Stability: Stable under normal conditions.

*N/A - Not applicable.

Product Name: **LAUNDRY SOUR**

HEALTH HAZARD INFORMATION FOR PRODUCT
EMERGENCY and FIRST AID PROCEDURES

Inhalation: Remove to fresh air.

Ingestion: Drink raw egg whites, milk or large quantities of water. Induce vomiting immediately. Get immediate medical attention.

Eyes: Flush with plenty of water for 15 minutes. Get medical attention.

Skin: Rinse thoroughly with water.

EFFECTS OF OVEREXPOSURE (Acute and Chronic)

Inhalation: Dust is extremely irritating to respiratory tract. May cause choking, coughing, nausea and pulmonary edema.

Ingestion: Initial symptoms are sore throat, nausea, abdominal pain, diarrhea and vomiting. In severe cases, convulsions, shock, cyanosis and possibly death. Symptoms similar to fluoride poisoning.

Eyes: Severe irritation - possible burns to cornea and conjunctiva.

Skin: Severe irritation, rash and skin ulcers.

PREVENTIVE MEASURES

Steps to be taken upon release or spillage (including neutralizing):
Scoop up the product for later disposal. Flush area with water.

Waste disposal method:
Discard to licensed dump. Follow local, provincial and federal regulations.

Handling and Storage Requirements:
Store in cool, well ventilated, area. Do not expose sealed container to temperature higher than 49°C. Keep away from heat, sparks and open flames. Keep container closed.

Ventilation Requirements (Local or General):
Use in well ventilated area.

Respiratory Protection:
A dust mask should be worn.

Eye Protection:
Safety glasses with sideshield.

Other Protection:
Gloves and coveralls should be worn to minimize contact with skin and clothing.