

# MATERIAL SAFETY DATA SHEET

## LAUNDRY SOUR



### SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: Laundry Sour  
GENERAL/GENERIC NAME: Sour  
PRODUCT USE: October 6, 2011  
EFFECTIVE DATE: Alpine Specialty Chemicals Ltd.  
VENDOR NAME AND ADDRESS: 24 Ronson Drive, Unit 16  
Etobicoke, Ontario M9W 1B4  
613-996-6666  
24 HOUR EMERGENCY NO. 613-996-6666

### SECTION 2 – COMPOSITION / INFORMATION INGREDIENTS

INGREDIENT	%W/W	CAS.NO	TLV	LD50 / LC50
Hydrofluosilicic Acid	2 - 10	16961-83-4	2.mg/m3	200 mg/kg (guinea pig)
Oxalic Acid	2 – 10	144-62-7	1mg/m3	Oral LD50 (rat): 475 mg/kg

### SECTION 3 – HAZARDS IDENTIFICATION

**Route of Entry:**

**Skin Contact:** May cause irritation.

**Eye Contact:** May cause transient irritation.

**Inhalation:** Mist may cause irritation of the respiratory tract.

**Ingestion:** May cause irritation to digestive tract.

**Effects of Acute Exposure:** (see section 11 for Toxicological information).

### SECTION 4 – FIRST AID

**Eyes:** Flush with running water for at least 15 minutes while holding eyelids open. Get medical attention.

**Skin Contact:** Flush contaminated skin with plenty of soap and water. Remove contaminated clothing. Launder contaminated clothing thoroughly before re-use. Seek medical attention if skin is burned or symptoms continue.

**Inhalation:** Remove victim to fresh air. Aid in breathing if necessary. If breathing stops, administer artificial respiration. Seek medical attention. Effects may be delayed for a few hours and aggravated by physical exertion.

**Ingestion:** Give plenty of water to drink to dilute stomach contents. **Do not induce vomiting.** Seek immediate medical attention.

**Note to Physician:** Risk of permanent corneal injury and possible blindness if splashed into eyes.

### SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT: None  
FLAMMABLE LIMITS: Not Flammable  
AUTO-IGNITION TEMP: NA  
EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, alcohol foam, water fog, water  
SPECIAL FIREFIGHTING PROCEDURES: Wear self contained breathing apparatus and protective clothing.  
EXPLOSION DATA: NA  
HAZARDOUS COMBUSTION PRODUCTS NA

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Leak/Spill:** Wear protective equipment and eye protection. Contain spill. Neutralize carefully with soda ash. Collect and contain in suitable disposal containers. Flush area with water, prevent from entering waterways

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### SECTION 7 – HANDLING AND STORAGE

**Handling Procedures:** Avoid all skin contact. Ventilate adequately, otherwise wear an appropriate breathing apparatus. Avoid contact with eyes, skin or clothing. . Keep container closed when not in use.

**Storage Procedures:** Keep from freezing. Keep containers closed when not in use.

### SECTION 8 – EXPOSURE CONTROLS

#### PROTECTIVE EQUIPMENT TO BE USED:

RESPIRATORY PROTECTION: NIOSH approved if ventilation is not adequate.  
VENTILATION: Local, mechanical exhaust ventilation to maintain vapour concentration below exposure limits.  
PROTECTIVE GLOVES: Neoprene or rubber  
EYE PROTECTION: Splash proof chemical goggles  
OTHER PROTECTIVE MEASURES: Impervious protective clothing.

### SECTION 9 – PHYSICAL PROPERTIES

PHYSICAL STATE: Liquid  
APPEARANCE AND ODOUR: Clear colorless liquid  
ODOUR THRESHOLD: ND  
SPECIFIC GRAVITY: 1.1  
VAPOUR PRESSURE: ND  
VAPOUR DENSITY: NP  
PH: 1.0  
EVAPORATION RATE: 1.0  
INITIAL BOILING POINT: 212-220 (F)  
WATER SOLUBILITY: Complete  
FREEZING POINT: ND

### SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable  
INCOMPATIBILITY: Soft metals, bleach  
HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen gas, chlorine  
HAZARDOUS POLYMERIZATION: Will not occur.  
CONDITIONS TO AVOID: Excessive heat, sparks and open flame.

### SECTION 11 – TOXICOLOGICAL INFORMATION

THRESHOLD LIMIT VALUE: ND  
EFFECTS OF ACCUTE EXPOSURE:  
SKIN CONTACT: Corrosive. May cause severe burns.  
EYE CONTACT: Contact of liquid will cause severe burns. Severe irritant upon contact.  
INHALATION: Corrosive.  
INGESTION: Corrosive. Respiratory irritation, breathlessness, coughing, chest tightness and difficulty breathing.  
EFFECT OF CHRONIC EXPOSURE:  
IRRITANCY OF PRODUCT: Corrosive  
CARCINOGENICITY: None  
SENSITIZATION TO MATERIAL: NA  
REPRODUCTION TOXICITY: None  
TERATOGENICITY: ND  
MUTAGENICITY: ND

### SECTION 12 – ECOLOGICAL CONSIDERATION

NA

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### **SECTION 13 – DISPOSAL CONSIDERATIONS**

**Waste Disposal:** In accordance with federal, provincial or local government requirements.

### **SECTION 14 – TRANSPORT INFORMATION**

**TDG Classification:** Corrosive Liquid, Acidic, Inorganic, N.O.S. (Fluorosilicic Acid)  
Class 8 UN 3264 PG III

### **SECTION 15 – REGULATORY INFORMATION**

**WHMIS Classification:** D2B, E

### **SECTION 16 – OTHER INFORMATION**

Prepared by: Lab Personnel

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