

# Safety Data Sheet

## 1. IDENTIFICATION

**Product Identifier:** LDC-1300 SOUR CONC. **Date of Revision:** March 09, 2023  
**Product Code:** Y988  
**Other Name(s):** SUPER SOUR PLUS  
**Distributed By:** HADDON HOLDINGS LIMITED  
**Recommended Use and Restrictions on Use:** laundry sour  
**Manufactured By:** Ostrem Chemical Co. Ltd. **Phone/Emergency Phone:**  
2310 - 80th Avenue NW 780-440-1911  
Edmonton, Alberta, Canada T6P 1N2 **Mon. - Fri. 8:00am - 4:30pm MT**  
www.ostrem.com

## 2. HAZARDS IDENTIFICATION

**Classification of the Mixture:** Acute Toxicity - Oral - Category 4  
Corrosive to Metals - Category 1  
Serious Eye Damage/Irritation - Category 1  
Skin Corrosion/Irritation - Category 1

**Label Elements:**

**Hazard Pictogram(s):**



**Signal Word:** DANGER

**Hazard Statement(s):** Harmful if swallowed.  
May be corrosive to metals.  
Causes serious eye damage.  
Causes severe skin burns and eye damage.

**Precautionary Statement(s):**

**Prevention:** Do not breathe dusts or mists.  
Wear protective gloves, protective clothing, and eye/face protection.  
Wash hands thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Keep only in original packaging.

**Response:** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison centre or physician.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a poison centre or physician.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison centre or physician.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison centre or physician.  
Absorb spillage to prevent material-damage.

**Storage:** Store locked up.  
Store in a corrosion resistant container with a resistant inner liner.

**Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Physical/health hazards not otherwise classified:**  
not applicable

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Conc. w/w</u>	<u>CAS #</u>	<u>Common Names</u>
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fluorosilicic acid (22-23%)	15 - 40%	16961-83-4	hydrofluorosilicic acid, fluosilicic acid
oxalic acid	5 - 10%	144-62-7	ethanedionic acid
phosphoric acid (75%)	10 - 30%	7664-38-2	

## 4. FIRST-AID MEASURES

### Necessary Measures:

- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison centre or physician.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a poison centre or physician.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison centre or physician.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison centre or physician.
- Absorb spillage to prevent material-damage.

### Most important symptoms, both acute and delayed:

- Harmful if swallowed.
- Causes serious eye damage.
- Causes severe skin burns and eye damage.

### Indication of immediate medical attention and special treatment needed, if necessary:

not applicable

## 5. FIRE-FIGHTING MEASURES

### Suitable (and unsuitable) extinguishing media:

Use extinguishing media appropriate for surrounding fire.

### Specific hazards arising from the chemical (e.g.: hazardous combustion products):

May liberate oxides of carbon, sodium, phosphorous, silicon and

### Special protective equipment and precautions for firefighters:

As for surrounding fire. Firefighters should wear full protective clothing and self contained breathing equipment.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective equipment. See section 8.

### Environmental precautions:

Prevent from entering sewers, waterways or low areas.

### Methods and materials for containment and cleaning up:

Isolate hazard area and restrict access. Small spills: soak up with inert absorbent material and scoop into containers. Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container and flush with water.

## 7. HANDLING AND STORAGE

### Precautions for safe handling:

- Do not breathe dusts or mists.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Keep only in original packaging.
- Do not ingest. Avoid contact with eyes, skin and clothing.

### Conditions for safe storage, including any incompatibilities:

- Store locked up.
- Store in a corrosion resistant container with a resistant inner liner.
- Keep out of reach of children. Store in a cool, dry area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters - Exposure limits:

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## Ingredient:

fluorosilicic acid (22-23%)  
oxalic acid

phosphoric acid (75%)

## Limit:

ACGIH TLV: 2.5 mg/m<sup>3</sup>  
ACGIH STEL: 2 mg/m<sup>3</sup>  
TLV-TWA: 1 mg/m<sup>3</sup>  
ACGIH TLV STEL: 3 mg/m<sup>3</sup>  
TWA: 1 mg/m<sup>3</sup>

## **Appropriate engineering controls:**

Provide exhaust ventilation to keep airborne levels below recommended exposure limits.

## **Respiratory protection:**

If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator.

## **Other protection:**

Wear protective gloves, protective clothing, and eye/face protection.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance (physical state, colour etc.):</b>	clear red/pink liquid
<b>Odour:</b>	a slight sour odour
<b>Odour threshold:</b>	not available
<b>pH:</b>	<1 ; 1% solution: 1.9
<b>Melting/Freezing point:</b>	not available
<b>Initial boiling point and range:</b>	not available
<b>Flash point:</b>	not applicable
<b>Evaporation rate:</b>	not available
<b>Flammability (solid, gas):</b>	not available
<b>Upper/lower flammability or explosive limits:</b>	not available
<b>Vapour pressure:</b>	not available
<b>Vapour density:</b>	not available
<b>Relative density (specific gravity):</b>	1.126
<b>Solubility(ies):</b>	100%
<b>Partition co-efficient: n-octanol/water:</b>	not available
<b>Auto-ignition temperature:</b>	not available
<b>Decomposition temperature:</b>	not available
<b>Viscosity:</b>	not available

## 10. STABILITY AND REACTIVITY

### **Reactivity:**

This material is considered to be non-reactive under normal use conditions.

### **Chemical stability:**

Stable.

### **Possibility of hazardous reactions:**

Reacts with metals

### **Conditions to avoid (e.g.: static discharge, shock or vibration):**

not applicable

### **Incompatible materials:**

Oxidizers / Base

### **Hazardous decomposition products:**

not available

## 11. TOXICOLOGICAL INFORMATION

### **POTENTIAL ACUTE HEALTH EFFECTS**

<b>Inhalation:</b>	Harmful if inhaled. May cause severe irritation to the respiratory tract.
<b>Ingestion:</b>	Harmful if swallowed.
<b>Eye contact:</b>	Causes serious eye damage.

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**Skin contact:** Causes severe skin burns and eye damage.

**Skin absorption:** not available

## POTENTIAL CHRONIC HEALTH EFFECTS

**Inhalation:** not available

**Ingestion:** not available

**Eye contact:** not available

**Skin contact:** not available

**Skin absorption:** not available

**Mutagenicity:** not available

**Carcinogenicity:** This information, if applicable, can be found in Section 2.

**Reproductive toxicity:** This information, if applicable, can be found in Section 2.

**Sensitization of product:** This information, if applicable, can be found in Section 2.

**Specific Target Organ Toxicity - single exposure:** This information, if applicable, can be found in Section 2.

**Specific Target Organ Toxicity - repeated exposure:** This information, if applicable, can be found in Section 2.

## Toxicological Data:

### Ingredient:

fluorosilicic acid (22-23%)

oxalic acid

phosphoric acid (75%)

### Data:

Oral LD50: 125 mg/kg (rat)

Oral LD50: 475 mg/kg (rat)

Oral LD50: 1530 mg/kg (rat)

Dermal LD50: 2740 (rabbit)

## Other Toxicological Information on Ingredients:

### fluorosilicic acid (22-23%)

Liquid or vapours can cause burns which may not be apparent for hours. Prolonged exposure can result in: bone changes, corrosive effect on mucous membranes, ulceration of nose, throat and bronchial tubes, cough, shock, pulmonary edema, fluorosis, coma and death.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity (aquatic and terrestrial, where available):** not available

**Persistence and degradability:** not available

**Bioaccumulative potential:** not available

**Mobility in soil:** not available

**Other adverse effects:** not available

**Ecological Information on Ingredients:** not available

## 13. DISPOSAL CONSIDERATIONS

**Waste disposal:** Disposal of all waste must be done according to local, provincial and federal regulations.

## 14. TRANSPORT INFORMATION

**TDG classification:** UN 1760; CORROSIVE LIQUID, N.O.S. (HYDROFLUOROSILICIC ACID, PHOSPHORIC ACID, OXALIC ACID); CLASS 8; PG II

## 15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

## 16. PREPARATION INFORMATION

**Prepared by:** Technical Services Department, Ostrem Chemical Co. Ltd., Ph.: 780-440-1911

**Date of Preparation:** March 09, 2023

**Date of Revision:** March 09, 2023

This Safety Data Sheet may not be changed or altered in any way without the express knowledge and permission of Ostrem Chemical Co. Ltd.

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