

# SAFETY DATA SHEET

## 1. IDENTIFICATION

**Product Identifier:** ULTRA LIQUID SOUR  
**Product Code:** Y973  
**Other name(s):**  
**Distributed by:**  
**Recommended Use and Restrictions on Use:**  
laundry sour

**Date of Revision:** Sept. 8, 2015

**Manufactured by:** Ostrem Chemical Co. Ltd.  
2310 - 80 Avenue NW  
Edmonton AB T6P 1N2

Phone: 780-440-1911  
In Case of Emergency Only, Phone:  
CANUTEC at (613) 996-6666

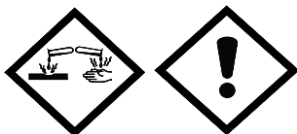
## 2. HAZARDS IDENTIFICATION

### Classification of the Mixture:

Eye Damage/Irritation - Category 1  
Skin Corrosion/Irritation - Category 1  
Acute Toxicity, Oral - Category 4  
Corrosive to Metals - Category 1

### Label Elements:

Hazard Pictogram(s):



Signal Word(s):

DANGER

Hazard Statement(s):

Causes severe skin burns and eye damage.  
Harmful if swallowed.  
May be corrosive to metals.

Precautionary Statement(s):

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

Response: 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.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Immediately call a poison centre or physician.  
Absorb spillage to prevent material-damage.

Storage: Store locked up.  
Store in a corrosion resistant container.

**HMIS:** Health: 3  
Flammability: 0  
Physical Hazard: 0

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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Chemical Name</u> | <u>Concentration %</u> | <u>CAS #</u> | <u>Common Name/Synonym(s)</u> |
|----------------------|------------------------|--------------|-------------------------------|
| fluorosilicic acid   | 30-60                  | 16961-83-4   |                               |
| oxalic acid          | 3-7                    | 144-62-7     |                               |

### 4. FIRST-AID MEASURES

**Necessary Measures:**

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.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Immediately call a poison centre or physician.

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

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

**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 carbon monoxide, carbon dioxide and oxides of sodium.

**Special protective equipment and precautions for firefighters:**

As for surrounding fire. Fire fighters 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 ingest. Avoid contact with eyes, skin and clothing.  
Keep only in original packaging.

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

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

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters - Exposure limits:

#### Ingredient:

fluorosilicic acid      ACGIH TLV: 2.5 mg/m<sup>3</sup>  
oxalic acid              ACGIH TLV: 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

### Appearance (physical state, colour etc.):

red liquid

### Odour:

acidic odour

### Odour threshold:

not available

### pH:

0.7; 1% solution: 2.3

### Melting/Freezing point:

not available

### Initial boiling point and range:

not available

### Flash point:

not applicable

### Evaporation rate:

not available

### Flammability (solid, gas):

not available

### Upper/lower flammability or explosive limits:

not available

### Vapour pressure:

not available

### Vapour density:

not available

### Relative density (specific gravity):

1.06

### Solubility(ies):

complete in water

### Partition co-efficient: n-octanol/water:

not available

### Auto-ignition temperature:

not available

### Decomposition temperature:

not available

### Viscosity:

<10 cP

## 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 bases and metals.

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

not applicable

**Incompatible materials:**

Oxidizers and bases.

**Hazardous decomposition products:**

not available

## 11. TOXICOLOGICAL INFORMATION

### POTENTIAL ACUTE HEALTH EFFECTS

**Inhalation:**

IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
Immediately call a poison centre or physician.

**Ingestion:**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
Immediately call a poison centre or physician.

**Eye contact:**

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.

**Skin contact:**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.

**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:**

not available

**Reproductive toxicity:**

not available

**Sensitization of product:**

not available

**Specific Target Organ Toxicity - single exposure:**

not available

**Specific Target Organ Toxicity - repeated exposure:**

not available

**Toxicological Data:**

Ingredient

fluorosilicic acid

Data

Oral LD50: 200 mg/kg (guinea pig)

Inhalation LC50: 850 mg/m<sup>3</sup>, 1h (rat)

oxalic acid

Oral LD50: 1080 mg/kg (rat)

**Other Toxicological Information on Ingredients:**

Fluorosilicic acid: 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

|  |               |
|--|---------------|
| <b>Ecotoxicity (aquatic and terrestrial, where available):</b> | not available |
| <b>Persistence and degradability:</b>                          | not available |
| <b>Bioaccumulative potential:</b>                              | not available |
| <b>Mobility in soil:</b>                                       | not available |
| <b>Other adverse effects:</b>                                  | not available |

**Ecological Information on Ingredients:**  
not available

## 13. DISPOSAL CONSIDERATIONS

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

## 14. TRANSPORT INFORMATION

**DOT classification:** UN 1760; CORROSIVE LIQUID, N.O.S. (fluorosilicic acid, oxalic acid); Class 8; PG II  
**IMDG classification:** UN 1760; CORROSIVE LIQUID, N.O.S. (fluorosilicic acid, oxalic acid); Class 8; PG II  
**TDG classification:** UN 1760; CORROSIVE LIQUID, N.O.S. (fluorosilicic acid, oxalic acid); Class 8; PG II

## 15. REGULATORY INFORMATION

**TSCA - Toxic Substance Control Act:** All ingredients are listed on the TSCA Inventory.

**HMIS Information:** Please refer to Section 2.

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:** September 8, 2015

**Date of Revision:** September 8, 2015

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

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