

1. IDENTIFICATION

Product Identifier

Product Name ULTRA SOUR

Recommended use of the chemical and restrictions on use

Recommended use Laundry sour/pH reducer
Restrictions on use For industrial and institutional use only

Supplier details

West Penetone Inc.
 11411-160 Street
 Edmonton, AB,
 T5M3T7
 Tel: 780-454-3919

Emergency Telephone Number

Canutec (613)-996-6666

2. HAZARDS IDENTIFICATION

Classification

Corrosive to metals	Category 1
Acute toxicity, oral	Category 4
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1

Label Elements

DANGER

Hazard Statements

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



Precautionary Statements – Prevention

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

Precautionary Statements - 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 CENTER or doctor/physician.
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor/physician.
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
 Absorb spillage to prevent material damage.

Precautionary Statements - Storage

Store in corrosive resistant/container with a resistant liner. Store locked up.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant according to local, provincial/federal regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
fluorosilicic acid	16961-83-4	5-10
oxalic acid	144-62-7	3-7

4. FIRST AID MEASURES

Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor/physician.
Inhalation	If difficulties occur after mist/vapors/spray has been inhaled, remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician..
Ingestion	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

Most important symptoms and effects, both acute and delayed

Contact or exposure causes burns to eyes, skin and mucous membranes and may not be apparent for hours. Symptoms include pain with local reddening, blistering, ulceration or discoloration of tissues. Prolonged exposure can result in bone changes, pulmonary edema, fluorosis, coma, and death.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

None.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed including oxides of carbon and other irritating gases.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. High risk of slipping due to product leakage/spillage.

Environmental Precautions

Avoid discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

Contain and solidify with inert absorbent material. Keep in suitable, closed containers for disposal. Following product recovery, flush the area with plenty of water. For large spills, stop flow of material, employ diking or bunding, and pump off product where this is without risk and possible. Proceed as above.

7. HANDLING AND STORAGE**Precautions for Safe Handling**

Handling Avoid contact with eyes, skin, and clothing. Avoid breathing dusts or mists. Do not eat, drink, or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Store in original packaging in a cool, dry area, away from incompatible materials.

Incompatible Materials Strong oxidizing agents, bases, amphoteric or light metals.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Control parameters**

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
fluorosilicic acid 16961-83-4	2.5 mg/m ³	Not available	Not available
oxalic acid 144-62-7	STEL: 2 mg/m ³ TWA: 1 mg/m ³	Not available	Not available

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas or where exposure limits are exceeded.

Individual protection measures, such as personal protective equipment

Eye/face Protection Splash proof goggles and face shield.

Skin and body protection Wear protective gloves and protective clothing.

Respiratory Protection Respiratory protection if ventilation is inadequate or in case of vapor/aerosol release.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE :**

Clear, red liquid

ODOR

Acid

ODOR THRESHOLD :

Not applicable

pH :

0.7, 2.3 (1% solutions)

MELTING POINT / FREEZING POINT :

Not available

BOILING POINT/BOILING RANGE :

Not available

FLASH POINT :

None

EVAPORATION RATE, water = 1 :

Not available

FLAMMABILITY (SOLID, GAS):

Not applicable

VAPOR PRESSURE, mm Hg AT 20°C :

Not available

VAPOR DENSITY (Air = 1) :

Not available

RELATIVE DENSITY AT 20°C:

1.079

SOLUBILITY IN WATER :

Complete

PARTITION COEFFICIENT, N-OCTANOL/WATER :

Not available

AUTO-IGNITION TEMPERATURE :

Not available

DECOMPOSITION TEMPERATURE:

Not available

VISCOSITY:

Not available

FLAMMABLE LIMITS :

UPPER: Not available LOWER : Not available

10. STABILITY AND REACTIVITY**Reactivity**

Not reactive.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid

Store away from incompatible materials.

Incompatible Materials

Strong oxidizing agents, bases, amphoteric or light metals.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition can lead to release of irritating gases and vapors such as oxides of carbon and silicon as well as other low molecular weight hydrocarbons.

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
fluorosilicic acid 16961-83-4	125 mg/kg (rat)	Not listed	Not listed
oxalic acid 144-62-7	475 mg/kg (rat)	Not listed	Not listed

Information on likely sources of exposure

Serious eye damage/irritation	Causes serious eye damage.
Skin corrosion/irritation	Causes severe skin burns.
Ingestion	Harmful if swallowed.
Inhalation	Harmful if inhaled.

Delayed and immediate effects and also chronic effects from short and long-term exposure

Respiratory or skin sensitization	Not a sensitizer
Germ cell mutagenicity	No information available.
Carcinogenicity	No listed carcinogens.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration Hazard	None.

Symptoms related to the physical, chemical and toxicological characteristics

See Section 2 & 4.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

No information available.

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

Mobility in soil

No information available

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS**Waste Disposal Method**

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION**TDG classification**

UN 3264, Corrosive Liquid, Acidic, Inorganic, N.O.S. (contains fluorosilicic acid), Class 8, PG II

15. REGULATORY INFORMATION

All ingredients are listed on the DSL

16. OTHER INFORMATION

<u>Preparation Date</u>	18 May 2017
<u>Revision Date</u>	not applicable
<u>Revision Note</u>	not applicable

Disclaimer

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End of SDS