

1. IDENTIFICATION

Product Identifier

Product Name ACIERSOLVE

Recommended use of the chemical and restrictions on use

Recommended use Acid cleaner for metals

Restrictions on use For industrial use only

Supplier details

Unica Canada Inc.
90, J.A. Bombardier
Boucherville, QC,
J4B 8N4
Tel: 450-655-8168

Emergency Telephone Number

Unica Canada inc: (450) 655-8168 8h-17h Monday to Friday
Poison Control Center (Emergency, 24 H) : 1-844-POISON-X or 1-844-764-7669
Poison Control Center (Quebec) (Emergency, 24 H) : 1-800-463-5060

2. HAZARDS IDENTIFICATION

Classification

Skin Corrosion/Irritation	Category 1
Eye damage/Irritation	Category 1
Corrosive to metals	Category 1

Label Elements

DANGER

Hazard Statements

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



Precautionary Statements - Prevention

Do not breathe dust, fume, gas, mist, vapors and spray.
Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves, protective clothing, eye protection and face protection.
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 or physician.
IF ON SKIN (or hair): Remove or take off immediately all contaminated clothing. Rinse skin with water or shower
Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
Immediately call a POISON CENTER or doctor or physician.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor or physician.
Absorb spillage to prevent material damage.

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents and container to an approved waste disposal plant according to government regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Phosphoric acid	7664-38-2	30-50
Ethylene glycol monobutyl ether	111-76-2	1-5
Sulfated ethoxylated alcohols, C10-16,sodium salt	68585-34-2	1-5

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	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
Inhalation	Remove person to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
Ingestion	Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Causes burns to eyes, skin and mucous membranes. Symptoms include tingling sensation and / or reddening of tissues.

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

The product causes burns of eyes, skin and mucous membranes.

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

Avoid contact with skin, eyes and clothing. Use personal protective equipment.

Environmental Precautions

Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling Avoid contact with skin, eyes and clothing.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Materials Bases, bleach

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
Phosphoric acid 7664-38-2	TWA: 1 mg/m ³ STEL: 3 mg/m ³
Ethylene glycol monobutyl ether 111-76-2	TWA: 20 ppm

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face Protection Safety goggles.

Skin and body protection Wear rubber or neoprene gloves, rubber apron and boots.

Respiratory Protection If exposure limits are exceeded or if ventilation is inadequate, NIOSH/MSHA approved respiratory protection should be worn.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE :

Clear, colorless liquid

ODOR

Faint

ODOR THRESHOLD :

Not applicable

VAPOR PRESSURE, mm Hg AT 20°C :

Not applicable

VAPOR DENSITY (Air = 1) :

Not applicable

RELATIVE DENSITY AT 20°C:

1.22-1.24

pH :

< 1

MELTING POINT / FREEZING POINT :

0 °C

BOILING POINT/BOILING RANGE :

100 °C

FLASH POINT :

None

EVAPORATION RATE, water = 1 :

1

FLAMMABILITY (SOLID, GAS):

Not applicable

SOLUBILITY IN WATER :

Complete

PARTITION COEFFICIENT, N-OCTANOL/WATER :

Not available

AUTO-IGNITION TEMPERATURE :

None

DECOMPOSITION TEMPERATURE:

Not available

VISCOSITY:

Not available

FLAMMABLE LIMITS :**UPPER:** Not applicable **LOWER :** Not applicable**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive

Conditions to Avoid

Store away from incompatible materials.

Chemical Stability

Will generate chlorine gas when mixed with chlorinated products.

Possibility of hazardous reactions

None

Incompatible Materials

Bases, bleach

Hazardous decomposition products

None

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Phosphoric acid 7664-38-2	1530 mg/kg (Rat)	2730 mg/kg (Rabbit)	850 mg/m ³ (rat) 1 hour
Ethylene glycol monobutyl ether 111-76-2	1300 mg/kg (Rat)	> 2 g/kg (Rat)	450 ppm (rat) – 4 hours
Sulfated ethoxylated alcohols, C10-16,sodium salt 68585-34-2	> 2 g/kg (Rat)	Not available	Not applicable

Information on likely sources of exposure**Serious eye damage/irritation**

Corrosive to eyes and may cause grave lesions, including blindness.

Skin corrosion/irritation

Corrosive to skin.

Ingestion

Ingestion may cause burns to the digestive and respiratory tract.

Inhalation

Spray mist may cause irritation or burns to respiratory tract.

Delayed and immediate effects and also chronic effects from short and long-term exposure**Respiratory or skin sensitization**

Not a sensitizer.

Germ cell mutagenicity

None known.

Carcinogenicity

No listed human 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

Symptoms include tingling sensation and / or reddening of tissues, eventually leading to burn lesions.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

If available, ecotoxicity values of individual components are shown below

Chemical Name	Fish	Waterflea
Phosphoric acid	3 - 3.5: 96 h Gambusia affinis mg/L LC50	4.6: 12 h Daphnia magna mg/L EC50

Persistence and degradability

No information available

Bioaccumulative potential

No information available

Mobility in soil

No information available

Other adverse effects

None known

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. (Phosphoric Acid), Classe 8, GE III

15. REGULATORY INFORMATION

All ingredients are listed on the DSL

16. OTHER INFORMATION**Preparation Date**

January 28, 2025

Revision Date

not applicable

Revision Note

not applicable

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of SDS