

 **Agro-Bio Contrôle inc.****Safety Data Sheet**
Product: ACERICLEAN**1. IDENTIFICATION****Product Name: ACERICLEAN****Company: Agro-Bio Controle Inc**
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Phone: 450 253-2476
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Emergency phone number:

Canada Call CANUTEC (collect) 613 996-6666

U.S.A. Call CHEMTREC 800 424-9300

2. HAZARDS IDENTIFICATION**Classification****Corrosive to metals** - Category 1**Skin Corrosion:** Category 1**Serious Eye Damage:** Category 1**Acute toxicity (inhalation):** Category 4**Hazard symbol:****Signal Word**

Danger

Hazard Statements - Health

Causes severe skin burns and eye damage

Harmful if inhaled

Hazard Statements - Physical

May be corrosive to metals

Precautionary Statements - General

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Precautionary Statements - Prevention

Keep only in original packaging.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical, ventilating, lighting equipment

Use only non-sparking tools.

Take action to prevent static discharges.

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

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly/Wash hands thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Precautionary Statements - Response

Absorb spillage to prevent material damage.

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

In case of fire: Use carbon dioxide, alcohol foam, water spray or dry chemical to extinguish.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor, if you feel unwell.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor. Specific treatment (see first-aid on this label).

Precautionary Statements - Storage

Store in a corrosive resistant container with a resistant inner liner.

Store in a well-ventilated place. Keep cool. Store locked up.

Precautionary Statements - Disposal

Dispose of contents/container in accordance with local/national/international regulation. Waste management should be in full compliance with national, regional and local laws.

Physical Hazards Not Otherwise Classified

No Data Available

Health Hazards Not Otherwise Classified

No Data Available

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Components	CAS	% (w/w)
Glycolic Acid	79-14-1	30-60 %
Formic acid	64-18-6	10-30%
Water		Balance

4. FIRST AID MEASURES

SKIN: Wash with plenty of water. Remove contaminated clothing and do not reuse until laundered.

EYES: Wash eyes with plenty of water, holding eyelids open. Seek medical assistance promptly if there is irritation.

INHALATION: Remove from contaminated areas promptly. **CAUTION:** Rescuer must not endanger themselves. If breathing stops administer artificial respiration and seek medical aid promptly.

INGESTION: Give plenty of water to dilute the product. Do not induce vomiting (NOTE below). Keep victim quiet. If vomiting occurs, lower victim's head below hips to prevent inhalation of vomited material. Seek medical help promptly.

Inadvertent inhalation of vomited material may seriously damage the lungs. The danger of this is greater than the risk of poisoning through absorption of this relatively low-toxicity substance. The stomach should only be emptied under medical supervision, and after the installation of an airway to protect the lungs.

5. FIREFIGHTING MEASURES

Flash point: NA

Autoignition Temperature: NA

Combustion Products: carbon monoxide @ 150°C, nitrogen oxides, smoke, formaldehyde forms at 300—400°C.

Special exposure hazardous: Reacts with metals to generate flammable hydrogen gas.

Firefighting Precautions: Foam, dry chemicals, water fog, water spray; firefighters must full protecting clothing, including self-contained breathing equipment.

6. ACCIDENTAL RELEASE MEASURES

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

Leak Precaution: Dyke to control spillage and prevent environmental contamination.

Procedure for the clean-up: ventilate contaminate area; absorb residue on an inert sorbent, sweep & pick up using plastic shovel & store in closed containers for recycling or disposal.

If good ventilation is not possible, clean-up crews must wear respirators with organic vapor, acid gas cartridges.

7. HANDLING & STORAGE

Store in original containers in a cool, dry environment, away from sources of ignition, heat and oxidizing agents. Always ensure that containers either empty or full, are tightly sealed unless in use.

Stainless steel 304, 316 are resistant to formic acid. At low (ambient) temperature, polyethylene and polypropylene are resistant too.

Avoid breathing product vapor. Use with adequate ventilation. If dealing with a spill, ventilate the area and wear a suitable respirator with organic vapor acid gas cartridges. If dealing with an extensive spill, use an air—supplied respirator.

Never cut, drill, weld or grind on or near this container. Avoid all contact with skin and wash work clothes frequently.

An eye bath and safety shower must be available near the workplace.

When diluting, always add acid to water, stirring continuously to prevent layering.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Formic acid:

Ontario TWAEV 5 ppm/9.4 mg/m³ Ontario STEV 10 ppm/19 mg/m³

ACGIH TLV 5 ppm/9.4 mg/m³ ACGIH STEL 10 ppm/19 mg/m³

OSHA PEL 5 ppm/9 mg/m³ OSHA STEL not listed

Mechanical ventilation may be required to control airborne to regulated limits. Keep respirators with organic vapor cartridge available in case of a spill or should ventilation fail (store respirators in airtight containers).

Hand: Butyl* or neoprene gloves recommended — other types also protect; confirm suitability with suppliers.

Eyes: Safety glasses with side shields or chemical goggles & face shield — always protect the eyes.
Clothing: Wear butyl or neoprene clothing appropriate to protect against possible splash.

* OSHA Document: <http://www.osha.gov/SLTC/healthguidelines/formicacid/recognition.html>

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state	Liquid.
Color	Yellowish
Odor	Characteristic
pH	1-2

Melting point/ Freezing point: No information available

Boiling point/ Boiling point: No information available

Flash point: No information available

Evaporation Rate: No information available

Flammability (solid, gas): No information available

Flammability Limits in Air

Upper Flammability Limit: No information available

Lower Flammability Limit: No information available

Vapor Pressure (mm Hg): No information available

Vapor density (Air =1) No information available

Specific Gravity (H₂O=1): ≥1

Water Solubility: Soluble

Solubility(ies): No information available

Partition Coefficient (n-octanol/water): No information available

Autoignition Temperature: No information available

Decomposition Temperature: No information available

Kinematic Viscosity: No information available

Dynamic Viscosity: No information available

Oxidizing Properties: No information available

Explosive Properties: Not considered to be an explosion hazard

10. STABILITY / REACTIVITY

Dangerously reactive with: Strong oxidizing agent (such as strong nitric acid), active metal (like sodium), strong alkalis, sulphuric acid, phosphorous pentoxide, furfuryl alcohol, sodium hypochlorite (Javel), cyanide

salts, sulfide salts, oxides of nitrogen, hydrogen cyanide, or hydrogen sulfide gases.

Also reactive with powdered aluminum and other finely ground metals, may produce hydrogen gas in contact with metals, corrosive to steel, iron, aluminum, lead.

Stability: Will not polymerize.

Decomposes in presence of palladium, nickel to form hydrogen; heat above 200°C cause decomposition

Combustion Products: Carbon monoxide @ 150°C, nitrogen oxides, smoke, formaldehyde forms at 300—400°C.

Sensitive to Mechanical Impact: No

11. TOXICOLOGICAL INFORMATION

Skin Contact: Cause irritation, severe skin burns.

Skin Absorption: Probably not absorbed; no toxic effects likely by this route.

Eye Contact: Vapor and liquid corrosive; may damage the eyes permanently.

Inhalation: Corrosive! Can severely irritate the nose, throat i.e. airways.

Ingestion: This product may be harmful or fatal if swallow.

Carcinogen: Not considered a carcinogen in humans or animals.

12. ECOLOGICAL INFORMATION

Biodegradable

13. DISPOSAL CONSIDERATIONS

All disposal practices must conform to federal and local laws and regulations, as well as the provinces or states.

14. TRANSPORT INFORMATION

Canada TDG: Corrosive liquid

UN-3265

Class 8

Packing Group II

15. REGULATORY INFORMATION

Canada DSL on inventory

16. OTHER INFORMATION

Product Literature

Additional information on this product may be obtained by calling your sales or customer service contact. Additional information on this and other products please contact us.

Information Source and References

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

AGRO BIO CONTROLE urges each customer or recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer - specific SDSs, we are not and cannot be responsible for SDSs obtained from any source other than ourselves. If you have obtained an SDS from another source or if you are not sure that the SDS you have is current, please contact us for the most current version.

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