



Safety Data Sheet

Product: ACERYNOX

1. IDENTIFICATION

Product Name: ACERYNOX

Company: Agro-Bio Controle
8550 Émilien-Letarte
Saint-Hyacinthe, Qc
Phone: 450-253-2476
www.agrobiocontrolle.ca

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

Hazard symbol:



Signal Word

Danger

Hazard Statements - Health

Causes severe skin burns and eye damage

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)
Nitric acid	7697-37-2	1-5 %
Phosphoric acid	7664-38-2	30-60 %

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 area promptly. CAUTION: Rescuer must not endanger himself! If breathing stops, administer artificial respiration and seek medical aid promptly.

INGESTION: Give plenty of water to dilute 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. FIRE-FIGHTING MEASURES

Flash point: NA

Autoignition Temperature: NA

Suitable extinguishing media Adapt extinguishing media to the environment

Fire-fighting techniques: a chemical fire extinguisher, use water spray to cool as the product floats on the water and a jet of water can activate the fire; firefighters must wear self-contained breathing apparatus and protective clothing.

Hazardous combustion products: Reacts exothermically with water (moisture). Decomposes on exposure to temperature rise: release of toxic and corrosive gases/vapours (phosphorus oxides). Reacts on exposure to temperature rise with (some) metals: release of highly flammable gases/vapours (hydrogen). Violent exothermic reaction with (some) bases. Violent to explosive reaction with many compounds e.g.: with (strong) oxidizers and with (strong) reducers.

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 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 crew must wear respirators with organic vapor, acid gas cartridges.

7. HANDLING & STORAGE

Precautions for safe handling: Comply with legal requirements.

Avoid contact with skin and often clean clothes. An eye bath and a shower must be installed on the site.

Storage: Comply with applicable regulations

Keep in original containers. Use in a cool, dry, well-ventilated area. Protect against sparks, oxidizers, heat, and products mentioned above.

Do not saw, cut, drill, weld, or grind on or near this container

Incompatible products: Strong bases; metals

When diluting, always add Acerynox to water, and stir continuously

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Nitric acid:

OSHA PEL: 5mg/m³, TWA

ACGIH TLV: 5mg/m³, TWA

ACGIH TLV: 10 mg/m³, STEL

Phosphoric acid:

OSHA PEL: 1mg/m³, TWA

ACGIH TLV: 1mg/m³, TWA

ACGIH TLV: 3 mg/m³, STEL

Ventilation system:

A local and / or general evacuation system is recommended to maintain employee exposure below the airborne exposure limits.

Eye protection:

Wear safety glasses, or visor (face shield) based on the intended exposure. Always protect the eyes

Skin protection:

Wear gowns / protective clothing / equipment, which are resistant and durable against chemicals to avoid contact.

Other protective equipment: Locate the emergency shower and eye fountain are located near the handling area. Take the necessary precautions to avoid contact with the product

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): 1.2- 1.3

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

Conditions to avoid: freezing, high temperature, flames and sparks.

Incompatible materials: alkalis, metals (especially powdered), metal oxides, combustible materials, carbides, cyanides, sulfides, non-metallic hydrides, halogens, reducing agents, organic peroxides, and other oxidants, such as nitrates, chlorates, easily oxidizable materials, organic substances, aldehydes, amines, amides, alcohols and glycols.

Hazardous decomposition products: Toxic nitrogen oxides

Hazardous Polymerization Reaction: 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

Phosphoric acid- DL₅₀

Rat (Oral): 1 530 mg/kg

Mousse (Oral): 1 250 mg/kg

Rabbit (dermal): 2 740 mg/kg

12. ECOLOGICAL INFORMATION

N/A

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

UN Number: 1760
Class: 8, corrosive liquid
Packing group III
RQ (reportable quantity):

- Nitric acid: 1000 lb
- Phosphoric acid: 5000 lb

15. REGULATORY INFORMATION

Canada DSL on inventory

16. OTHER INFORMATION

Prepared from information of supplier, CNESST and NOSH

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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