

1. IDENTIFICATION OF USE PRODUCT AND COMPANY

PRODUCT NAME ACI-PEROXEUR
 USE: Peracetic acid-based additive for cleaning tariffs and CIP systems.

Fabricant **LIBERCHEM**  LIBERCHEM Inc
 572 Avenue Orly, Dorval
 Quebec, Canada
 H9P 1E9
 Tel: 514 631-7177

EMERGENCY PHONE Poison Control Center (Quebec): 1 (800) 663-5060
 CANUTEC: (613) 996-6666

2. HAZARD(S) IDENTIFICATION

• Hazard Classification of the substance or mixture -



GHS05 CORROSION

Hazard Statement

May cause fire. Keep container tightly closed in a dry, clear of impurities, alkalis, flammable substances.
 Causes serious eye damage. causes severe burns to the skin.
 Harmful if swallowed. Causes burns of the digestive system.
 May cause irritation of the nose, throat and lungs

• Label elements



PEROXYACETIC ACID HYDROGEN PEROXIDE AND PEROXYACETIC ACID

Caution Requirement:

If medical advice is needed; have container or label available.

Keep out of reach of children

Read the label before use

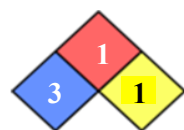
Avoid breathing spray mist.

Skin contact (hair): Remove contaminated clothing immediately, rinse with water in the shower

Eye Contact: Rinse cautiously with water for several minutes, Remove contact lenses if present and easy to remove, continue flushing

Remove the contents of the containers according to national regulations, international, regional and local.

Classification system according to NFPA - Scale (0-4)



Health = 3
 Fire = 1
 Reactivity: 1

HMIS - scale (0-4)

| | |
|-------------------|---|
| HEALTH | 3 |
| FIRE | 1 |
| REACTIVITY | 1 |

3. COMPOSITION/ INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS

Chemical Characteristic: Mixtures

Description: Mixture of substances listed below with non-hazardous additions.

| | | |
|-----------|-------------------|-----------|
| 7722-84-1 | Hydrogen Peroxide | 15 - 30 % |
| 79-21-0 | Peracetic Acid | 5 - 10 % |
| 64-10-7 | Acetic Acid | 5 - 15% |

4. FIRST-AID MEASURES

INHALATION: Remove victim to fresh air, if the victim is unconscious, place on the front side of the transported. Get medical attention

SKIN: Rinse with water. Remove contaminated shoes and clothing. If irritation occurs and if it persists, seek medical attention.

EYES: Flush eyes with clean running water. If irritation occurs, seek medical attention.

INGESTION: Do not induce vomiting, do not mouth to an unconscious person. If conscious wash out bouche et make it take much water. Consult a doctor immediately.

- Symptoms and most important effects (acute and delayed): (See Section 11) -No other relevant information available.

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- Getting immediate medical attention and special treatment, if any: If swallowed, gastric lavage with a soluble protein or starch solution will eliminate iodine in the stomach. Subsequent treatment may be to correct the imbalance between the electrolyte and fluid.

5. FIRE-FIGHTING MEASURES

- MEANS OF EXTINCTION: Use appropriate means to extinguish the fire: Carbon dioxide (CO₂), chemical foam, sand or earth.
- FIRE EXTINCTIONS INAPPROPRIATE: Avoid direct contact with water can cause a violent exothermic reaction.
- SPECIFIC HAZARDS PRODUCT OR DANGEROUS MIX: No further relevant information available
- HAZARDOUS COMBUSTION: the decomposition products may include carbon monoxide .
- SPECIAL PROTECTION EQUIPMENT AND SPECIAL PRECAUTIONS FOR FIREFIGHTERS: Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

- PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY MEASURES: Wear protective equipment, remove away unprotected persons. Do not touch damaged containers persons or spilled products (Refer to section 8 for personal protection). and section 13 for data on disposal.
- METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING: Using non-combustible absorbent materials such as sand, vermiculite, universal absorbent, sawdust, Use with adequate ventilation. (Refer to section 13 for disposal of the product).

7. HANDLING AND STORAGE

- SAFETY PRECAUTIONS IN HANDLING: The workplace should be well ventilated to prevent vapor formation
- CONDITIONS SECURITY OF STORAGE AND INCOMPATIBLE MATERIALS: Avoid heat, chlorine products or products containing chloride
- STORAGE TEMPERATURE: 0°C à 40 °C

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

General measures: Keep away from food and beverages. Remove contaminated clothing immediately. Do not inhale gas fumes. Avoid contact with the skin.

- CONTROL PARAMETERS,

COMPONENTS WITH LIMIT VALUES FOR OCCUPATIONAL EXPOSURE

7722-84-1 Hydrogen Peroxide

TWA / REL 1 ppm - 1.4 mg / m³

79-21-0 Peracetic Acid

STLE 0.4 ppm

64-19-7 Acetic Acid

TWA 10 ppm - 25 mg / m³

ENGINEERING MEASURES SUITABLE: Ensure adequate ventilation, especially in confined areas. Use process enclosures, local exhaust ventilation, or other engineering controls to control the levels of suspended substances to below the exposure limits. Eyewash and emergency shower must be available at the workplace for handling this product.

- PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: Impervious gloves



EYES: Safety goggles



RESPIRATORY: Respirator if needed



OTHER: Protective clothing



9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------------------|----------------|
| APPEARANCE: | Liquid |
| ODOR | cutting |
| OLFACTIF ODOR | Not available |
| pH (20 °C- 68 °F) | 2.0, |
| MELTING POINT | Not available |
| BOILING POINT | >100 °C. |
| FLASH POINT | Not available |
| EVAPORATION RATE | Not available |
| FIRE (Solid, gaseous) | Non applicable |
| LOWER FLAMMABLE LIMITS | Not available |
| UPPER FLAMMABLE LIMITS | Not available |
| VAPOR TENSION (20 °C) | Not available |
| DENSITY (20 °C) | 1.06 – 1.16 |
| SOLUBILITY IN WATER | Complete |

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VAPOR DENSITY Not available
COEFFICIENT (n-octanol/water) Not available
DECOMPOSITION TEMPERATURE Not available
VISCOSITY Not available

10. STABILITY AND REACTIVITY

- CHEMICAL STABILITY Rising pressure
- RISK DANGEROUS BREACKIONS Caution, do not use in combination with other products. Dangerous gases can be released.
- CONDITIONS TO AVOID No further relevant information available
- INCOMPATIBLE MATERIALS Base, several metals.
- HAZARDOUS DECOMPOSITION Carbon oxide

11. TOXICOLOGICAL INFORMATION

- INFORMATION ON TOXICOLOGICAL EFFECTS:

Acute toxicity:

| | |
|-------------|------------------------------|
| 7722-84-1 | Hydrogen Peroxide (15 – 30%) |
| Oral (LD50) | 486 mg/kg (rat) |
| 79-21-0 | Peracetic acid (5 – 10%) |
| Oral (LD50) | 1634 mg.kg (rat) |
| 64-19-7 | Acetic acid (5 – 15%) |
| Oral (LD50) | 1634 mg.kg (rat) |

HEALTH EFFECTS / CHRONIC EXPOSURE Causes burns to the respiratory tract, accompanied by a burning sensation in the nose and throat, coughing, wheezing, shortness of breath and Pulmonary edema. Symptoms of pulmonary edema can occur after exposure. A chronic skin contact at low concentration to cause dermatitis May be fatal if swallowed, inhaled or absorbed through skin. Corrosive. Target organs: respiratory tract, skin, eyes.

CANCEROGÉNÉCITY No component of this product is identified as a probable carcinogen, possible or confirmed human by IARC.
MUTAGENICITY not available Data
TERATOGENICITY not available Data

12. ECOLOGICAL INFORMATION

TOXICITY The product is not classified as hazardous to the environment. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. Due to the pH of this product, we can expect it to produce significant Ecotoxicity upon exposure to aquatic organisms and aquatic systems
poison toxicity (peracetic acid): LC50: 0.8 mg / L 96

PERSISTENCE AND DEGRADABILITY Not Available

BIOACCUMULATIVE POTENTIAL This product is not considered bio accumulative

MOBILITY IN SOIL Not Available

13. DISPOSAL CONSIDÉRATIONS

Dispose of this material and its container at hazardous or special waste collection point. Do not allow this material to drain into sewers / pipes, water supply. Dispose in accordance with all applicable regulations

WASTE AND WASTE / UNUSED Dispose in accordance with all local, state and federal

14. TRANSPORT INFORMATION

UN NUMBER UN3149
TMD, DOT, IMDG, IATA
UN PROPER SHIPPING NAME HYDROGENE PEROXYDE AND PEROXYACETIC ACID IN MIXTURE, STABILISED

TRANSPORT HAZARD CLASS(ES)



Class: 5.1/8 corrosive Substances
Etiquette: 5.1 - 8

Packaging group II

ENVIRONMENTAL HAZARDS

None

15. REGULATORY INFORMATION

PRODUCT AS SOLD

Code product: 104323

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WHMIS CLASSIFICATION

Organic peroxide. Type F, liquid

The components of this product are on the following inventories:

- **Canadian Domestic Substances List (DSL)** : All components of this product are on the Domestic Substances List (DSL) Canada.
- **Inventory of US TSCA**: On TSCA inventory

16. OTHER INFORMATION

| | |
|---------------|--------------------|
| Date of issue | 21-01-2026 |
| Version | 0.0 |
| Prepared by | Regulatory Affairs |

We characterized the general risks of the product depending on the USE THAT WE RECOMMEND FOR THIS PRODUCT .

Any use not in accordance with our recommendations may affect the risk characterization.

This fact sheet provides information on health and safety. The product must be used in applications consistent with our product literature. Anyone using this product should be informed of the precautions of the product and should have access to this information. For all other uses, exposures should be evaluated in order to allow the appropriate handling practices and training program that will ensure safety in the workplace. For more information, please contact your local sales representative.

DISCLAIMER OF RESPONSIBILITY: The above information is based on data considered accurate. No warranty, express or implied is based in relation to this data or information. User is responsible for determining whether the product is suitable for conditions of use.