

## 1. IDENTIFICATION AND USE OF THE PRODUCT AND SUPPLIER

PRODUCT NAME **ACID PEROXY SAN**  
 USE: **Sanitizing Cleaning Acid**

Manufacturer



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

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

## 2. IDENTIFICATION OF HAZARDS

### Risk classification of the substance - Hazard statement



GHS05 CORROSION

#### Hazard statement

Skin corrosion, Causes severe eye damage, causes skin burns. If ingesting causes burns in the digestive system. Inhalation: May cause irritation of the nose, throat, and lungs.

### Labeling Element



### Precautionary Advice

If medical advice is required; Alternate the available container or label.

Keep out of reach of children

Read the label before use

Do not breathe in spray fumes.

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

Contact with eyes: Rinse carefully with water for several minutes, Remove contact lenses if present and easy to remove, continue rinsing

Dispose of container contents in accordance with national, international, regional and local regulations.

Call a poison control center/doctor immediately.

### Storage

Keep under lock and key.

NFPA Classification System - scale (0-4)



Health =3  
 Flammability = 0  
 Instability: 0

HMIS - Scale (0-4)

<b>HEALTH</b>	3
<b>FLAMMABILITY</b>	0
<b>PHYSICAL DANGER</b>	0

## 3. COMPOSITION / COMPONENT INFORMATION

### HAZARDOUS INGREDIENTS

Chemical Name: Mixture

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

CAS RN	Chemical Name	Concentration
7664-93-9	Sulphuric acid	10 - 15 %
75-75-2	Methanesulfonic acid	10 - 30 %
7722-81-1	Hydrogen peroxide	1 - 5 %

## 4. FIRST AID

INHALATION: Bring the victim to fresh air, treat symptomatically. Seek medical assistance if symptoms appear.

SKIN Wash immediately and thoroughly with water or in the shower for at least 15 minutes, wash clothes before using them again. Seek immediate medical assistance

EYES Rinse immediately with plenty of water, keeping the eyelids open. Remove contact lenses if the victim wears them and if they can be removed easily. Continue rinsing. Seek medical attention immediately .

INGESTION: DO NOT INDUCE VOMITING, do not make an unconscious person swallow. If the victim is conscious, rinse the victim's bouche.et make him take a lot of water. Seek immediate medical assistance

• Most significant symptoms and effects (acute and delayed): (Refer to section 11) -No other important information available

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- Immediate medical management or special treatment, if applicable: No other important information available.

## 5. FIRE-FIGHTING MEASURES

- EXTINGUISHING MEANS: Use the appropriate means to extinguish the fire: Carbon dioxide (CO<sub>2</sub>), powder, chemical foam.
- INAPPROPRIATE EXTINGUISHING AGENTS: Unknown
- SPECIFIC HAZARDS DURING FIREFIGHTING: Non-flammable or combustible
- HAZARDOUS COMBUSTION PRODUCTS: decomposition products may include carbon monoxide, sulphur oxide
- SPECIAL PROTECTIVE EQUIPMENT AND SPECIAL PRECAUTIONS FOR FIREFIGHTERS: Use personal protective equipment.
- SPECIFIC EXTINGUISHING METHODS: Fire residues and contaminated extinguishing water must be disposed of in accordance with local regulations. In the event of a fire and/or explosion, do not breathe in the fumes.

## 6. MEASURES IN THE EVENT OF AN ACCIDENTAL SPILL

- PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY MEASURES: Wear protective equipment, keep unprotected people away. (Refer to section 8 for personal protection). And section 13 for product disposal data.
- PRECAUTIONS FOR ENVIRONMENTAL PROTECTION: Do not allow contact with soil and surface or groundwater.
- METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING: Using non-combustible absorbent materials such as sand, vermiculite, universal absorbents, sawdust, Use adequate ventilation. (Refer to section 13 for product disposal).

## 7. HANDLING AND STORAGE

- SAFE HANDLING PRECAUTIONS: The workplace must be well ventilated to prevent the formation of vapours. Avoid contact with eyes, skin, or clothing. Wash hands thoroughly after handling. Do not mix with bleach or other chlorinated products - will release chlorine gas.
- STORAGE SAFETY CONDITIONS AND INCOMPATIBLE EQUIPMENT: Avoid heat, chlorinated or chlorine-emitting products, bleaches. Store in appropriate labeled containers.
- Storage temperature: -10 °C to 35 °C

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

- CONTROL PARAMETERS,

COMPONENTS WITH OCCUPATIONAL EXPOSURE LIMIT VALUES	
7664-93-9 Sulphuric Acid	
TWA (Thoracic fraction)	0.2 mg / m <sup>3</sup> (ACGIH)
TWA	1 mg / m <sup>3</sup> (NIOSH REL)
7722-84-1 Hydrogen Peroxide	
TWA	1 ppm (ACGIH)
TWA	1 ppm (NIOSH REL)
	1.4 mg/m <sup>3</sup>

- APPROPRIATE ENGINEERING MEASURES: Ensure adequate ventilation, especially in enclosed areas. Use closed vacuum procedures, local exhaust ventilation, or other technical control to keep levels of suspended substances below exposure limits. Emergency eyewash stations and showers must be available in the workplace while handling this product.
- PERSONAL PROTECTIVE MEASURES:

GLOVES: Waterproof gloves



EYES: Protective eyewear



RESPIRATORY: Cartridge mask as needed



OTHER: Protective clothing



## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear pink liquid
ODOUR	light
PH	< 1 (100%)
MELTING POINT	Not available
POINT OF EBULLITION	100°C.
FLASH POINT	Not applicable
EVAPORATION RATE	Not available
FLAMMABILITY (Solid, Gas)	Not applicable
LOWER FLAMMABILITY LIMITS	Not available
UPPER FLAMMABILITY LIMITS	Not available
VAPOUR PRESSURE (20 °C)	Not available
DENSITY (20 °C)	1.170 - 1.205
WATER SOLUBILITY	Comprehensive
STEAM DENSITY	Not available

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PARTITION COEFFICIENT (n-octanol/water) Not available  
TEMPERATURE DE DECOMPOSITION Not available  
VISCOSITY Not available

## 10. STABILITY AND RESPONSIVENESS

- CHEMICAL STABILITY Stable under normal conditions
- RISK OF DANGEROUS REACTIONS Do not mix with chlorinated products
- CONDITIONS TO AVOID No other important information available
- INCOMPATIBLE MATERIALS Bases, Metals, Organic Matter, Chlorinated Bleaches,
- HAZARDOUS DECOMPOSITION PRODUCTS Carbon oxides, Sulphur oxide.

## 11. TOXICOLOGICAL DATA

- INFORMATION ON TOXIC EFFECTS,

Acute toxicity:

7664-93-9	Sulphuric Acid (10 – 25%)
Oral (LD50)	2140 mg.kg (rat)

HEALTH EFFECTS Causes burning of the airways, accompanied by a burning sensation in the nose and throat, coughing, wheezing, shortness of breath, and pulmonary edema. Symptoms of pulmonary edema may occur after exposure. Chronic skin contact at low levels to cause dermatitis. May be fatal if ingested, inhaled, or absorbed through the skin. Corrosive. Target organs: respiratory tract, skin, eyes, teeth. 15 mg/m<sup>3</sup> (SULPHURIC ACID) is highly hazardous to life or health.

CHRONICLE EXHIBITION No health risks are known or foreseeable under normal conditions of use  
CARCINOGENICITY No components of this product have been identified as probable, possible or recognized carcinogens for humans by the IARC.  
MUTAGENICITY Data not available  
TERATOGENICITY Data not available

## 12. ECOLOGICAL DATA

ECOTOXICOLOGY The product is not classified as hazardous to the environment. However, this does not preclude the possibility that large or frequent spills may have a harmful or harmful effect on the environment. It can be expected to produce significant ecotoxicity if exposed to aquatic organisms and systems

Toxicity to fish:

Sulphuric acid: LC50: 22 mg/L 96 h

Toxicity to daphnia and other aquatic invertebrates

Methanesulfonic acid 48 h EC50 Daphnia (Daphnia): 70 mg/l

PERSISTENCE AND DEGRADATION Unknown data

POTENTIAL FOR BIOACCUMULATION/MOBILITY IN SOIL This product is not presumed to be bioaccumulative

OTHER ADVERSE EFFECTS Unknown data

## 13. PRODUCT DISPOSAL DATA

Dispose of this product and its container at a hazardous or special waste collection centre. Do not allow the substance to seep into sewers/water supply lines. Destroy in accordance with all applicable regulations

WASTE RESIDUES / UNUSED PRODUCTS Dispose of in accordance with all local, provincial and federal regulations.

## 14. TRANSPORTATION INFORMATION

UN Number

UN1760

Legal designation for transport

CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S (Sulphuric Acid, Methanesulfonic Acid)

Transport hazard class



Class: **8** corrosive substances

Label: **8**

Packing Group

II

Environmental hazards

No

## 15. REGULATORY INFORMATION

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Product As Sold  
WHMIS Classification E Corrosive substance

## CERCLA Quantity to be reported

Components	No. AQHI	Component RQ (lbs)	Calculated product RQ (lbs)
Sulphuric acid	7664-93-9	1000	7154

## Extremely hazardous substances under SARA 304 Quantity to be reported

Components	No. AQHI	Component RQ (lbs)	Calculated product RQ (lbs)
Sulphuric acid	7664-93-9	1000	7154

**SARA 311/312 Dangers :** Corrosion or skin irritation  
Severe eye damage or eye irritation

**SARA 302 :** The following ingredients are subject to the rates required to be declared as set out in SARA Title III, Section 302:

Sulphuric acid	7664-93-9	13.9785 %
Hydrogen peroxide	7722-84-1	4.8895 %

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Prepared by Regulatory Affairs Department.

We have characterized the general risks of the product according to *the USE WE RECOMMEND FOR THIS PRODUCT.*

Any use that does not conform to our recommendations may affect the risk characterization.

This MSDS contains health and safety information. The product is to be used in applications that are consistent with our product documentation. Anyone handling this product should be informed of the precautions to be taken with respect to the product and should have access to this information. For all other uses, exposures must be assessed to allow for the implementation of handling practices and training programs that can ensure safety in the workplace. For more information, please speak to your technical representative.

**DISCLAIMER:** The above information is based on data believed to be accurate. No warranty, express or implied, is based with respect to this data or information. It is the user's responsibility to determine whether the product is suitable for the intended conditions of use.