

SAFETY DATA SHEET

1. IDENTIFICATION OF USE, PRODUCT AND COMPANY

PRODUCT NAME
USE

ROBOT BRUSH
Detergent

Fabricant

LIBERCHEM



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

EMERGENCY PHONE

Centre anti poison (Québec): 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, è 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 Element



PEROXYACETIC ACID



HYDROGENE ORGANIC 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.

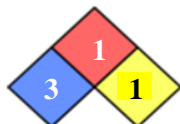
Skin contact (hair): Remove contaminated clothing immediately, rinse with water in the shower

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.

NFPA Classification System - scale (0-4)

HMIS - echelle (0-4)



Health =3

Fire = 1

Reactivity: 1

SANTE	3
INFLAMMABILITE	1
PHYSICAL HAZARD	1

3. COMPOSITION

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	1 – 5 %
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.
- 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 MESURES

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
- Keep combustibles (wood, paper, oil, etc.) away from spilled material.
- Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
- Keep substance wet using water spray.
- Stop leak if you can do it without risk.

Small Spill

- Pick up with inert, damp, non-combustible material using clean, non-sparking tools and place into loosely covered plastic containers for later disposal.

Large Spill

- Wet down with water and dike for later disposal.
- Prevent entry into waterways, sewers, basements or confined areas.
- **DO NOT CLEAN-UP OR DISPOSE OF, EXCEPT UNDER SUPERVISION OF A SPECIALIST.**

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 CONTROL / 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 / m ³
79-21-0 Peracetic acid	
STLE	0.4 ppm
64-19-7 Acetic acid	
TWA	10 ppm - 25 mg / m ³

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 MEASURES

GLOVES: Impervious gloves



EYES: Safety goggles



PROTECTION: Boots if needed



OTHER: Protective clothing



9. PROPRIÉTÉS PHYSIQUES ET CHIMIQUES

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

Code product: 104310

SAFETY DATA SHEET

DENSITY (20 °C)	1.06 – 1.16
SOLUBILITY IN WATER	Complete
VAPOR DENSITY	Not available
COEFFICIENT (n-octanol/water)	Not available
DECOMPOSITION TEMPERATURE	Not available
VISCOSITY	Not available

10. STABILITY. ET REACTIVITY REACTIVITÉ

• CHEMICAL STABILITY	Rising pressure
• RISK DANGEROUS BREATIONS	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

Acute Toxicity:

7722-84-1	Hydrogen Peroxide (15 – 30%)
Oral (LD50)	486 mg/kg (rat)
79-21-0	Peracetic acid (1 – 5%)
Oral (LD50)	1634 mg.kg (rat)
64-19-7	Acetic acid (5 – 15%)
Oral (LD50)	3310 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 DEGRADATION	Not Available
BIOACCUMULATION POTENTIAL MOBILYU IN SOIL	This product is not considered bio accumulative
OTHER ADVERSE EFFECTS	Not available

13. DISPOSAL CONSIDERATIONS

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 UN3109
TMD, DOT, IMDG, IATA
Official Transport information ORGANIC PEROXYDE AND PEROXYACETIC ACID IN MIXTURE, STABILISED

Hazardous Classification ADR Transport



Classe: **5.2/8** corrosive Substance
 Label: **5.2 - 8**

Packaging group

II

Code product: 104310

Page 3 sur 4

SAFETY DATA SHEET

Environmental Hazards

None

15. REGULATORY INFORMATION

PRODUCT AS SOLD

WHMIS CLASSIFICATION

B1D Toxic material E Corrosif

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 08/05/2025

Version 4.0

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.