

1. IDENTIFICATION OF USE PRODUCT AND COMPANY

PRODUCT NAME PHOS 49
 USE Acid Cleaner Concentrate and CIP Cisterns

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

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

2. HAZARD(S) IDENTIFICATION

• Hazard Classification of the substance



GHS05 CORROSION

Hazard Statement

Skin corrosion serious damage to eyes 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

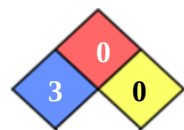


Phosphoric Acid

• 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.
 Eyes contact: Rinse cautiously with water for several minutes, remove contact lenses if present and easy to remove,
 Remove the contents of the containers according to national, international, regional and local regulations

Classification system: NFPA Rating - scale (0-4)



Health =3
 Fire= 0
 Reactivity=0

HMIS - scale (0-4)

HEALTH	3
FIRE	0
REACTIVITY	0

3. COMPOSITION / INFORMATIONS ON INGREDIENTS

HAZARDOUS INGREDIENTS:

Chemical Characteristic: Mixtures

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

7664-38-2	Phosphoric Acid	30 – 60 %
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4. FIRST AID

INHALATION: Remove victim to fresh air, if the victim is unconscious, place in 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, get medical attention.
 EYES: Rinse opened eye for several minutes. If easy remove, contact lenses continue rinsing. Get medical attention.
 INGESTION: DO NOT INDUCE VOMITING. Do not swallow anything in mouth to an unconscious person. Get medical attention

- Most important symptoms and effects (acute and relayed) : (Consult section 11) –No further relevant information available.
- Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5. FIRE- FIGHTING MEASURES

- MEANS OF EXTINCTION: Use appropriate means to extinguish the fire: Carbon dioxide (CO₂), chemical foam.
- FIRE EXTINCTION INAPPROPRIATE: Avoid direct contact with water can cause a violent exothermic reaction.

Code product: 105617

SAFETY DATA SHEET

- SPECIFIC HAZARDS PRODUCT OR DANGEROUS: No further relevant information available.
- HAZARDOUS COMBUSTION: The decomposition products may include carbon monoxide, sulfur oxide
- 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 disposal of the product)
- 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 INHANDLING: The workplace should be well ventilated to prevent vapor formation.
- CONDITIONS SECURITY OF STORAGE AND INCOMPATIBLE MATERIALS: Avoid heat, strong acid and metals slightly reactive with organic substances.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

- CONTROL PARAMETERS.

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COMPONENTS WITH LIMIT VALUES FOR OCCUPATIONAL EXPOSURE

7664-38-2 Phosphoric Acid (30 – 60%)

TLV (STEL) 3 mg / m³

PEL 1 mg / m³

REL 1 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



OTHERS: Other clothing



9. PROPRIÉTÉS PHYSIQUES ET CHIMIQUES

APPARENCE:	Dark pink liquid
ODOR	None
OLFACTIF ODOR	Not available
pH	< 2.0
MELTING POINT	Not available
BOILING POINT	100 °C.
FLASH POINT	101 °C.
EVAPORATION RATE	Not available
FIRE (Solid, gaseous)	Not available
LOWER FLAMMABLE LIMITS	Not available
UPPER FLAMMABLE LIMITS	Not available
VAPOR TENSION (20 °C)	Non disponible
DENSITY (20 °C)	1.2 – 1.3
SOLUBILITY IN WATER	Complete
VAPOR DENSITY	Not available
COEFFICIENT (n-octanol/water)	Not available
DECOMPOSITION TEMPERATURE	Not available
VISCOSITY	Not available

10. STABILITY AND REACTIVITY

- REACTIVITY
- CHEMICAL STABILITY Stable under normal condition
- RISK DANGEROUS REACTIONS Do not mix with chlorinated products
- CONDITIONS TO AVOID No further relevant information available
- INCOMPATIBLE MATERIALS Base, metals, organic materials, amines,
- DECOMPOSITION HAZARDOUS PRODUCT Hydrogen, phosphorus oxide, sulfur dioxide

11. TOXICOLOGICAL INFORMATION

• INFORMATIONS ON TOXICOLOGICAL EFFECTS.

Acute toxicity:

7664-38-2	Phosphoric Acid (30 – 60%)
Oral (LD50)	1530 mg/kg (rat)

HEALTH EFFECTS

Causes burns to the respiratory tract, accompanied by 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 swallow, inhaled or absorbed through skin. Corrosive. Target organs: respiratory tract, skin, eyes, tooth 15 mg/m3 (SULFURIC ACID) is very dangerous for life and health.

CHRONIC EXPOSURE

No health risk is known under normal conditions use. Get medical attention.

CANCEROGENECITY

No component of this product identified as probable carcinogen, possible of confirmed human by IARC

MUTAGENICITY

Not available

TERATOGENECITY

Not available

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 exposure to aquatic organism and aquatic systems

PERSISTANCE AND DEGRADABILITY

Not available

BIOACCUMULATIVE POTENTIAL

This product is not considered bio accumulative.

OHTER HARMFUL 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

UN1805

TMD, DOT, IMDG, IATA

CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S (Phosphoric acid)

UN Proper shipping name

Transport hazard Class(es)

Class: **8** CorrosiveLabel: **8**

Packaging group

II

Environmental Hazards

None

15. REGULATORY INFORMATION

PRODUCT AS SOLD

WHMIS CLAISSIFICATION

E Corrosive

The components of this product are on the following inventories:

- **Canadian Domestic Substance List (DSL):** All components of this product are on the Domestic Substance List (DSL) Canada.
- **Inventory of USA 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 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 RESPONSABILITY: 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.