

1. IDENTIFICATION OF USE PRODUCT AND COMPANY

PRODUCT NAME ROBOT ACID 100
USE: Cleaning Product Concentrate

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

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

2. HAZARD(S) IDENTIFICATION

• Hazard Classification of the substance -



GHS05 CORROSION

Hazard statements

Skin corrosion; serious damage to eyes.
Causes severe skin burns and eye damage

• GHS Label



Hazard pictograms: Danger

• Precautionary statements

Wash skin thoroughly after handling. Wear protective gloves; clothing; eye and face protection
If Swallowed rinse thoroughly after
IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN
(or hair): Take off immediately all contaminated clothing. Rinse skin
with water/shower. IF INHALED: Remove person to fresh air and keep
comfortable for breathing. Immediately call a POISON CENTER or
doctor/ physician. IF IN EYES: Rinse cautiously with water for several
minutes. Remove contact lenses, if present and easy to do. Continue
rinsing. Immediately call a POISON CENTER or doctor/ physician.
Wash contaminated clothing before reuse.

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



Health = 3
Fire = 0
Reactivity: 0

HMIS - (0-4)

HEALTH		3
FIRE		0
PHYSICAL HAZARD		0

3. COMPOSITION / INFORMATIONS ON INGREDIENTS

Chemical characterisation: Mixtures

Description: Mixture of the substances listed below with nonhazardous additions.

HAZARDOUS INGREDIENTS		
7664-38-2	Phosphoric acid	15 – 30 %
77-92-9	Citric acid	5 – 10 %

4. FIRST AID

IF CONTACT WITH EYES Rinse opened eye for several minutes under running water for at least 15 minutes. If easy remove, contact lenses continue rinsing. Get medical attention
IF CONTACT WITH SKIN Immediately wash with plenty of water and soap for at least 15 minutes and rinse thoroughly. Wash clothing and shoes before reuse. Get medical attention
IF SWALLOWED DO NOT INDUCE VOMITING. DO NOT GIVE anything by mouth to an unconscious person. Get medical attention
IF INHALATION: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

- Most important symptoms and effects, (acute and delayed): (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 extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Code product: 105619

Safety Data Sheet

- FIRE EXTINCTIONS INAPROPRIATE: None known
- SPECIFIC HAZARDS PRODUCT OR DANGEROUS MIX: Decomposition products may include carbon oxides, nitrogen oxides (NOx), Oxides of phosphorus
- SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS: Use personal protective equipment
- RISK OF EXPLOSION: Not available

6. ACCIDENTAL RELEASE MEASURES

- PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY MEASURES
Wear protective equipment. Keep unprotected persons away. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators. Refer to protective measures listed in sections 7 and 8.
- ENVIRONMENTAL PRECAUTIONS: Do not allow contact with soil, surface or ground water.
- METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING: Absorb with liquid-binding material collect with non-combustible absorbent material (sand, diatomite, vermiculite) place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Ensure adequate ventilation.

7. HANDLING AND STORAGE

- SAFETY PRECAUTIONS IN HANDLING: Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust / fume/gas/mist/vapours/spray. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas.
- CONDITIONS SECURITY OF STORAGE AND INCONSISTENT EQUIPMENT: Keep away from strong bases. Keep out of reach of children. Store in suitable labels containers. Away from excessive heat.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

- CONTROL PARAMETERS,

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS	
7664-38-2	Phosphoric acid (15 – 30%)
TLV (STEL)	3 mg / m ³
PEL	1 mg / m ³
REL	1 mg / m ³

- ENGINEERING MEASURES SUITABLE: Ensure good ventilation/exhaustion at the workplace. Maintain air concentrations below occupational exposure standards.
- PERSONAL PROTECTIVE EQUIPMENT:

HAND: Impervious gloves



EYES: Eye protection



RESPIRATORY: Appropriate certified respirator



AUTRES: Protective clothing



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dark pink liquid
Odor	slight
Melting point	Not determined.
Boiling point	Not determined.
Flash Point	No date available.
Evaporation rate	No date available
Flammability (Solid, gas)	Non applicable
Upper explosion limit	Not determined.
Lower explosion limit	Not determined.
Vapor pressure at 20 °C (68 °F)	Not determined
Relative density (20 °C)	1.19 g/cm ³
Water solubility	Complete
Thermal decomposition	Not determined
Viscosity	Not determined

10. STABILITY AND REACTIVITY

- CHEMICAL STABILITY Stable under normal conditions
- POSSIBILITY OF HAZARDOUS REACTIONS Do not mix with bleach or other chlorinated products, will cause chlorine gas
- CONDITION TO AVOID Not known
- INCOMPATIBLE MATERIALS Bases, metals

Code product: 105619

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Safety Data Sheet

- HAZARDOUS DECOMPOSITION

Carbone oxides, nitrogen oxides (NOx), Sulphur oxides, phosphorus oxides

11. TOXICOLOGICAL INFORMATION

- Information on toxicological effects,

Acute toxicity:

7664-38-2	Phosphoric acid (15 – 30%)
Oral (LD50)	2000 mg/kg (rat)
77-92-9	Citric acid (5 – 10%)
Oral (LD50)	11700 mg/kg (rat)

Potential Health Effects

Eyes	Causes serious eye damage
Skin	Causes severe skin burns
Ingestion	Causes digestive tract burns
Inhalation	May cause nose, throat, and Lung irritation
Chronic exposure	Health injuries are not known or expected under normal use.
CARCINOGENICITY	No data available.
Mutagenicity	No data available
Teratogenicity	No data available

12. ECOLOGICAL INFORMATION

TOXICITY

ENVIRONMENTAL EFFECTS Harmful to aquatic life; toxicity to fish (phosphoric acid 96 h LC50: 75.1 mg/l, citric acid 96 h LC50 fish > 100 mg/l)

PERSISTENCE AND DEGRADABILITY The product is estimated to be biodegradable according to OECD classification

BIOACCUMULATIVE POTENTIAL AND BIOACCUMULATIVE POTENTIAL No data available.

OTHER ADVERSE EFFECTS No data available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

DISPOSAL CONSIDERATIONS Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION

UN NUMBER
TMD, IMDG/IMO
DESCRIPTION OF GOODS

UN1805
PHOSPHORIC ACID, SOLUTION

CLASS



Class: 8

Label: 8

PACKAGING GROUP

III

ENVIRONMENTAL HAZARDS

No

15. REGULATORY INFORMATION

Product as sold
WHIMIS E

This product has been classified according to the hazard criteria of the HPR and the SDS contains all of the information required by the HPR.

Canadian Domestic Substances List (DSL): All components of this product are on the Canadian DSL.

United States TSCA Inventory: On TSCA Inventory

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16. OTHER INFORMATION

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Prepared by	Regulatory Affairs.

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