



1. IDENTIFICATION

Product Identifier: BREWCLEAN PHOSPHORIC ACID 75% **Date:** JULY 31, 2023
Product Code:
Other Name(s):
Distributed By:
Recommended Use & Restrictions on Use: Acid

Manufactured For: Vitatek Cleaning Solutions **Phone:** 800-494-4318
#105-810 Clement Avenue
Kelowna, BC V1Y 0J7 **In case of Emergency Only, phone**
CANUTEC: 613-996-6666

2. HAZARDS IDENTIFICATION

Classification of Mixture: Eye Damage/Irritation – Category 1
Skin Corrosion/Irritation – Category 1
Acute Toxicity, Oral - Category 4
Corrosive to Metals – Category 1

Label Elements:



Hazard Pictogram(s):

Signal Word: DANGER

Hazard Statements: Causes severe skin burns and eye damage.
Harmful if swallowed.
May be corrosive to metals.

Precautionary Statements:

Prevention: Do not breathe mists.
Wash hands thoroughly after handling.
Wear protective gloves, protective clothing, and eye/face protection.
Use only outdoors or in a well-ventilated area.
Keep only in original packaging.

Response: **IF SWALLOWED:** Rinse mouth. DO NOT induce vomiting. Immediately call a poison centre or physician.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a poison centre or physician.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison centre or 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 centre or physician.

| | |
|-----------|--|
| Storage: | Store locked up. Store locked up. Keep container tightly sealed. Store in corrosion resistant container with a resistant inner liner. |
| Disposal: | Dispose of the contents/container in accordance with local/regional/national/international regulations. |

Physical/health hazards not otherwise classified:

Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Chemical Name</u> | <u>Conc.</u> | <u>CAS #</u> | <u>Common Names</u> |
|-----------------------|--------------|--------------|---------------------|
| Phosphoric acid (75%) | 75 % | 7664-38-2 | |

4. FIRST AID MEASURES

Necessary Measures:

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Immediately call a poison centre or physician.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a poison centre or physician.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison centre or 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 centre or physician.

Most important symptoms – acute and delayed:

Causes serious eye damage.

Causes severe skin burns and eye damage.

May cause respiratory irritation.

Indication of immediate medical attention and treatment needed, if necessary:

Not applicable

5. FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:

Use extinguishing media appropriate for surrounding fire.

Specific hazards arising from the chemical (e.g.: hazardous combustion products):

Emits toxic fumes of oxides of phosphorus and toxic formic acid.

Specific protective equipment and precautions for firefighters:

As for surrounding fire. Firefighters should wear full protective clothing and self contained breathing equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective equipment. See Section 8.

Environmental precautions:

Prevent from entering sewers, waterways or low areas.

Methods and materials for containment and cleaning up:

Isolate hazard area and restrict access. Small spills: soak up with absorbent material and scoop into containers.

Large spills: Prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container and flush with water.

7. HANDLING AND STORAGE**Precautions for safe handling:**

- Do not breathe mists.
- Wash hands thoroughly after handling.
- Use only outdoors in a well-ventilated area.
- Keep only in original packaging.
- Do not ingest. Avoid contact with eyes, skin and clothing.

Conditions for safe storage, including any incompatibilities:

- Store locked up.
- Store in a well ventilated place.
- Keep container tightly closed.
- Store in corrosion resistant container with a resistant inner liner.
- Keep out of reach of children. Store in a cool, dry place.

8. EXPOSURE CONTROL/PERSONAL PROTECTION**Control Parameters – Exposure limits:**

| <u>Ingredient:</u> | <u>Limit:</u> |
|-----------------------|---|
| Phosphoric acid (75%) | ACGIH TLV STEL: 3 mg/m ³ TWA: 1 mg/m ³ |

Appropriate engineering controls:

Provide exhaust ventilation to keep airborne levels below recommended exposure limits.

Respiratory protection:

If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator.

Other protection:

Wear protective gloves, protective clothing and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|-------------------------|
| Appearance: | Clear colourless liquid |
| Odour: | Seabreeze scent |
| Odour threshold: | Not available |
| pH: | <1 |
| Melting/Freezing point: | Not available |
| Initial boiling point and range: | Not applicable |
| Flash point: | Not available |
| Evaporation rate: | Not available |
| Flammability (solid, gas): | Not available |
| Upper/lower flammability or explosive limits: | Not available |
| Vapour pressure: | Not available |
| Vapour density: | Not available |
| Relative density (specific gravity): | 1.580 |

| | |
|--|---------------|
| Solubility (ies): | Complete |
| Partition co-efficient n-octanol/water: | Not available |
| Auto-ignition temperature: | Not available |
| Decomposition temperature: | Not available |
| Viscosity: | Not available |

10. STABILITY AND REACTIVITY

Reactivity:

This material is considered to be non-reactive under normal use conditions.

Chemical stability:

Stable

Possibility of hazardous reactions:

Reacts with metals

Conditions to avoid:

Not applicable.

Incompatible materials:

Oxidizers/Base

Hazardous decomposition products:

Not available.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

Inhalation:

May cause respiratory tract irritation.

Ingestion:

Harmful if swallowed.

Eye contact:

Causes serious eye damage.

Skin contact:

Causes severe skin burns and eye damage.

Skin absorption:

Not available

Mutagenicity:

Not available

Carcinogenicity:

This information, if applicable, can be found in Section 2.

Reproductive toxicity:

This information, if applicable, can be found in Section 2

Sensitization of product:

This information, if applicable, can be found in Section 2

Specific Target Organ Toxicity – single exposure:

This information, if applicable, can be found in Section 2

Specific Target Organ Toxicity – repeated exposure:

This information, if applicable, can be found in Section 2

Toxicological Data:

Ingredient

Phosphoric acid (75%)

Data

Oral LD50: 1530mg/kg (rat)

Dermal LD50: 2740 (rabbit)

Poly (oxyethylene) Nonylphenol ether

Acute: 3820 mg/kg (Rat)

Other Toxicological Information on Ingredients

Not applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Not available

Persistence and degradability:

Not available

Bioaccumulative potential:

Not available

| | |
|---|---------------|
| Mobility in soil: | Not available |
| Other adverse effects: | Not available |
| Ecological Information on Ingredients: | Not available |

13. DISPOSAL CONSIDERATIONS

Waste disposal: All waste must be disposed according to local, provincial and federal regulations.

14. TRANSPORT INFORMATION

TDG Classification: UN 1805 PHOSPHORIC ACID, SOLUTION, CLASS 8; PG II

15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

16. PREPARATION INFORMATION

Prepared by: Technical Services Department, Concept Manufacturing Ltd., Ph: 250-491-5656

Date of Preparation: July 31, 2023

Date of Revision: NEW PRODUCT

This Safety Data Sheet may not be changed or altered in any way without the express knowledge and permission of Concept Manufacturing Ltd.

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If user requires independent information on ingredients in this or any other material, contact the Canadian Centre For Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8276) or CSST in Montreal, Quebec (514-873-3990).

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