

Safety Data Sheet

Better Chemistry. Better Business

PHOSPHORIC ACID 10% ACT.

Revised: 5/8/15

1 IDENTIFICATION

Product Code : 2800013

Recommended use of the chemical and restrictions on use: Industrial applications

Hubbard-Hall Inc.

563 South Leonard Street

Waterbury, CT 06708

Telephone : 203-756-5521

Fax number: 203-756-9017

Emergency Phone Number

CHEMTREC: 1 (800) 424-9300

International: 1 (703) 527-3887

2 HAZARDS IDENTIFICATION

Signal Word: DANGER

Hazard Category: Skin Corr. 1B, Cat. 2
Eye Corr. 1, Cat. 2
H314 Causes severe skin burns and eye damage.
H332 Irritating to eyes.
H334 Causes respiratory irritation.
P273 Do not release into the environment.
P303+P361+P353 IF ON SKIN OR HAIR: Wash thoroughly with soap and water.
P308+P313 IF INHALED: Call a POISON CENTER or doctor if you feel unwell.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

7 HANDLING AND STORAGE

- Precautions for safe handling: Avoid breathing dust, fumes, gas, mist, vapors and sprays.
Wash hands thoroughly after handling.
Do not get in eyes, or on skin, or on clothing.
- Conditions for safe storage, inc any incompatibilities: Keep container tightly closed.
Do not allow material to freeze.
Store in corrosive resistant container.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std.	TWA-8hrs	STEL - 15 min.
Phosphoric Acid	ACGIH	1 mg/m ³	-

ACGIH - American Control of Governmental Hygenists
OSHA - Occupational Safety and Health Administration

- Ventilation: Use local exhaust to keep personal exposures below the OSHA Permissible Exposure Limit (s) (PEL) or the ACGIH threshold Limit Values (TLV)Time Weight Average (TWA).
- Respiratory Protection: Not required if proper ventilation controls are employed.
- Protective Gloves: Acid resistant rubber.
- Eye Protection: Wear chemical safety goggles.

9 PHYSIC25 /8.tnis/c 8.95 Tfnis/cT

10 STABILITY AND REACTIVITY

Reactivity:	No specific test data related to reactivity vavailable to this product or its ingredients.
Chemical Stability:	Stable under normal conditions Corrosive in presence of steel
Possibility of Hazardous Reactions:	Reacts violently with strong bases. Contact with metals may release flammable hydrogen gas.
Conditions to Avoid:	Extreme humidity, excess heat.
Incompatible Materials:	Metals, strong oxidizing agents and strong bases. Do not mix with solutions containing bleach or ammonia.
Hazardous Decomposition Products:	Under fire- Oxides of phosphorous at > 300 °C (572 °F)

11 TOXICOLOGICAL INFORMATION

Oral Administration:	Phosphoric Acid-LD50-(Rat-female)-1.7 mL/100 g body weight
Immediate effects:	Irritation or burns to skin, eyes and respiratory system
Cancer Hazard:	Not listed by IARC, NTP, OSHA, ACGIH
Routes of Exposure	Eyes, Skin, Inhalation, Ingestion

12 ECOLOGICAL INFORMATION

Crustations, Daphnia magna,	Phosphoric Acid-EC50 (48) >100 mg/L
Persistence and Degradability:	Not Available
Bioaccumulation potential:	Not known
Soil/Sediment Result:	Phosphoric Acid itself will not absorb into soil, in most cases it will dissociate into PO ₄ ³⁻ and H ⁺ ions in the soil pore water, and/or react with minerals present in the soil, in particular calcium, iron and aluminum. Except in very specific circumstances (acidic soils, certain mineral soil types, very high dosage of phosphoric acid) phosphoric acid will therefore not penetrate beyond the surface layer of soil and will not reach groundwater table.
Other adverse effects(such as hazardous to the ozone layer):	Not known

13 DISPOSAL CONSIDERATION

14 TRANSPORT INFORMATION

UN Number:	1760
UN Proper Shipping Name:	CORROSIVE LIQUIDS, N.O.S., (PHOSPHORIC ACID),
Transport Hazard Class (es):	8
Packing Group:	III
ERG:	154

15 REGULATORY INFORMATION

HMIS: Health: 2 Flammability: 0 Reactivity: 0

Cercla Phosphoric Acid-RQ=5000 lbs

16 OTHER INFORMATION

Disclaimer: The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship.

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Date Prepared: 12/15/14