

**MATERIAL SAFETY DATA SHEET**

(Prepared according to 29 CFR 1910.1200)

**CHEMSPEC ®**

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NPCA Hazardous Identification System

Health 2  
Flammability 0  
Reactivity 1  
Personal Protection C

Degree of hazard: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Insignificant  
B = Safety Glasses + Gloves.

**SECTION I: PRODUCT IDENTIFICATION****PRODUCT NAME:** Phosphoric Cleaner #2**DATE REVIEWED:** 9/13/05**DOC CODE:** Phosphoric Cleaner #2**CHEMICAL FAMILY:** Mixture.**EMERGENCY 24-HOUR TELEPHONE #** 1-800-424-9300 (CHEMTREC)

N/A = Not applicable or Not available.

N/D = Not determined.

**SECTION II: COMPOSITION/ INFORMATION ON INGREDIENTS**

This product has not been tested as a whole for health effects on animals or humans. According to the OSHA Hazardous Communications Standard (29 CFR 1910.1200) any hazardous ingredients that comprise >1.0% of the material and any carcinogenic ingredients that comprise >0.1% must be listed on the MSDS. When individually tested at 100% ingredients in the make-up of this product posed the following health hazards. This product is used as is.

**SECTION II a: HAZARDOUS INGREDIENTS >1.0%**

Chemical Name	CAS #	PEL	TLV
Phosphoric Acid	7664-38-2	3 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>
Octylphenoxypolyethoxyethanol	9036-19-5	NA	NA

**SECTION II b: CARCINOGENIC INGREDIENTS AT >0.1%**

None.

**SECTION III: HAZARDS IDENTIFICATION**

**EYES:** May cause severe eye irritation and possible burns.  
**SKIN:** May cause severe skin irritation and possible burns.  
**INHALATION:** None expected.  
**INGESTION:** May cause abdominal discomfort, nausea and diarrhea.

**SECTION IV: FIRST AID PROCEDURES**

**EYES:** Flush with water for at least 15 minutes. If irritation persists consult physician.  
**INGESTION:** Drink 1 to 2 glasses of milk or water. Consult physician.  
**INHALED:** Remove to fresh air. If symptoms persist or are severe seek prompt medical assistance.  
**SKIN:** Remove contaminated clothing. Thoroughly wash exposed area with soap and water.  
**PHYSICIAN:** Treatment based on judgment of attending physician.

**SECTION V: FIRE AND EXPLOSION DATA**

FLASH POINT: N/A

AUTO-IGNITION TEMPERATURE: N/D

EXPLOSIVE LIMITS - UEL: N/D LEL: N/D

EXTINGUISHING MEDIA: Alcohol foam, water fog, CO<sub>2</sub> or dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Use NIOSH/MSHA approved self-contained positive pressure breathing apparatus and protective clothing where this material is involved in a fire.

UNUSUAL FIRE AND EXPLOSION HAZARD: None known.

**SECTION VI: ACCIDENTAL RELEASE MEASURES**

Use absorbent material to soak up spill. Put in container and dispose of according to local, state and federal regulations.

**SECTION VII: HANDLING AND STORAGE**

Keep out of reach of children. Keep container tightly closed. Keep away from alkaline material.

**SECTION VIII: PROTECTION MEASURES**

VENTILATION: Local exhaust or dilution ventilation is necessary in poorly ventilated areas.

GLOVES: Rubber gloves.

RESPIRATORY: When mists or aerosols are anticipated, wear NIOSH/MSHA approved respirator equipped with organic vapor cartridges with high-efficiency particulate filters.

EYE: Safety glasses.

OTHER PROTECTIVE EQUIPMENT: Body-covering clothing should be worn.

**SECTION IX: PHYSICAL/CHEMICAL DATA**

APPEARANCE AND ODOR: Clear colorless liquid/ no odor.

SPECIFIC GRAVITY: 1.435

% VOLATILE BY WT.: >40%

WATER SOLUBILITY, % BY WT: Complete

#/GAL: 11.95

pH: <1

**SECTION X: REACTIVITY DATA**

STABILITY: Stable.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY: Strong alkalis.

HAZARDOUS DECOMPOSITION/COMBUSTION PRODUCTS: Possibly oxides of carbon and other unidentified organic compounds.

**SECTION XI: TOXICOLOGICAL INFORMATION OF INGREDIENTS**

Phosphoric Acid: Oral rat LD50 is 1530 mg/kg, Dermal rabbit LD50 is 2740 mg/kg.

**SECTION XII: ECOLOGICAL INFORMATION**

Ready to use solution is biodegradable. No other information is available.

**SECTION XIII: SPILL, LEAK AND DISPOSAL PROCEDURES**

WASTE DISPOSAL: In accordance with Federal, state and local regulations.

**SECTION XIV: TRANSPORT INFORMATION PER 49 CFR 172.101****GROUND TRANSPORTATION:**

Corrosive Liquids (Contains Phosphoric Acid), n.o.s., Class 8, UN 1760, PG III.

**SECTION XV: REGULATORY INFORMATION****Domestic:**

TSCA: All ingredients are listed on the TSCA chemical substance inventory.

SARA Section 313 Ingredients: Phosphoric Acid.

California Prop 65 Ingredients: None.

**International:**

European:

Symbol: Corrosive.

R-Sentences: C; R34.

S-Sentences: S2, S24, S25, S26, S37, S39.

Canadian:

WHMIS Hazard Class: E

**SECTION XVI: OTHER INFORMATION**

One should always use chemicals with awareness of potential hazards, known and unknown, and their effect on the human system. We urge users to minimize employee exposure to all chemicals, including this product and to keep the level of exposure commensurate with good industrial hygiene practices.

**DISCLAIMER OF LIABILITY**

The manufacturer and seller warrants that this product conforms to its standard specifications when used according to directions. As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material and the results to be obtained from the use thereof.