

MATERIAL SAFETY DATA SHEET

CENTRAL SCIENTIFIC COMPANY, LTD.
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P2380, P2381
MSDS No. 37132-50
Effective Date 11/15/8 11/15/88

24 HOUR EMERGENCY ASSISTANCE CHEMTREC 800-424-9300 Day (312) 533-6666 FLAMMABILITY 0 REACTIVITY HEALTH 3

Chemical Synonyms

Ortho-Phosphoric Acid Phosphoric Acid, 85%

Product

SECTION I

NAME

Formula RTECS #

H3P04

C.A.S. No.

7664-38-2

TB6300000

LEAST HAZARD RATING EXTREME

SECTION II **HAZARDOUS INGREDIENTS OF MIXTURES**

NE = None Established	NA = Not Applicable	incipal Hazardous Component(s)
		%
		TLV Units

SECTION III PHYSICAL DATA

Solubility in Water	Vapor Density (Air = 1)	Vapor Pressure (mm Hg)	Boiling Point (°F)	Melting Point (°F)
Miscible	3.4	2@20°C	158°C	21°C
		Evaporation Rate = 1)	Percent Volatile by Volume (%)	Specific Gravity (H ₂ 0 = 1)
		NA	NA	1.69

Appearance and Odor Clear, colorless syrupy liquid, no odor.

SECTION IV FIRE AND EXPLOSION HAZARD DATA Flammable Limits in Air % by Volume

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Use any medium suitable for extinguishing supporting fire

SPECIAL FIREFIGHTING PROCEDURES

Use water to dilute. In the event of a fire, wear full protective clothing and NIOSH-approved other positive pressure mode. self-contained breathing apparatus with a full facepiece operated in the pressure demand or

EXPLOSION HAZARDS

Not considered to be a fire hazard. Not considered to be an explosion hazard. May release flammable hydrogen gas if exposed to many metals

NFPA Hazard Rating



Phosphoric Acid 85% Corrosive Material UN1805

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ved by U.S. Department of Labor "essentially similar" to form OSHA-174

ECTION V HEALTH HAZARD DATA

reshold Limited Value

1 mg/m³ TWA

Effects of Overexposure

CORROSIVEI Acute: Severe irritation and burns to skin, eyes, lungs, mucous membranes, and Gi tract. Coughing. Chronic: Eye damage, lung damage.

Emergency and First Aid Procedures

Skin: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Indroughly clean shoes before reuse, clear medical attention immediately. Eyes: Wash eyes with plenty of water for at least 15 minutes, iffing lower and upper eyelits occasionally, cell redical attention immediately, inhalation. Hemove to fresh air. If not preathing, give artificial respiration. If preathing is difficult, give oxygen. Call a physician ingestion: Give several plasses of water ormik, if available, to drink. Womiting may occur spontaneously, but 100 NOT INDUCE! Never give anything by mouth to an unconscious person. Get medical attention immediately. Give milk of magnesium to help and intertilize.

SECTION VI REACTIVITY DATA

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	Stable	Unstable
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		Conditions to Avoid
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Stability

(Materials to avoid) Incompatibility

Metals, Caustics, Sulfides, Sulfites

Decomposition Products Hazardous

Phosphorus Oxides

Hazardous Polymerization Will Not Occur Conditions to Avoid None

May Occur

SECTION VII SPILL OR **LEAK PROCEDURES**

material is released or spilled Steps to be taken in case

Provide forced venfisiation to dissipate furnes. Clean-typ personnel should wear protective clothing and respiratory equipment suitable for toxic or comosive fluids or vapors, isolate or enclose the area of the leak or spill. Small spills: Flush with water and neutralize with alkaline material (soda ash, in etc.) Larger spills and lot sizes. Neutralize with alkaline material, pick up with absorbentmaterial

Waste Disposal Method

Upper

Dispose in a RCRA-approved waste facility or sewer the neutralized slurry with excess water if local ordinances allow

Discharge, treatment, or disposal may be subject to federal, state, or local laws

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection Specify Type) Self contained or acid vapor

Protective Gloves Vinyl or Rubber Eye Protection

Lab coat and Apron

Ventilation Local Exhaust
Mechanical (General)

Special

Goggles & Face Shield

SECTION IX SPECIAL PRECAUTIONS

in Handling and Storing Precautions to be Taken

Store in a cool dry place

Keep container tightly closed when not in use

Other Precautions Read label on container before using.

Conditions Aggravated Target Organs: Persons with preexisting skin, eye, or respiratory disorders may be more susceptible

For laboratory use only. Not for drug, food or household use. Keep out of reach of children Date 11/15/88

Rev. No.

Approved Chemical Safety Coordinator RMC

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.



IIMIPORTANT Material Safety data sheet

READ CAREFULLY BEFORE USING CHEMICAL OSHA requires that this form be kept on file.

MSDS No.