



MATERIAL SAFETY DATA SHEET

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24 Hour Emergency #: 1-800-633-8253

SECTION I: GENERAL INFORMATION

Product Number: 0624
Product Class: Fertilizer
Chemical Name and Synonyms: Phosphorous Acid
Precautions: Avoid contact with eyes, skin, and clothing

Product Name: **Phosgard® 0-40-0**

SECTION II: HAZARDOUS INGREDIENTS

	WT PCT (Approx)	PEC MG/M3	PPM	TVL (TWA) MG/M3	PPM
Phosphorous Acid	47	NE	NE	NE	NE

SECTION III: PHYSICAL/CHEMICAL DATA

Boiling Point: Over 212°F
% Volatile by Weight: N/A
Vapor Density: Estimated lighter than air
Vapor Pressure (mm Hg): Similar to water
Solubility In Water: Soluble
Specific Gravity (H₂O=1): 1.25
Appearance and Odor: Clear to slight off-color. Odorless to slight odor.

SECTION IV: FIRE AND EXPLOSION DATA

Flash Point: N/A
Explosive Limits: Not Determined
Extinguishing Media: Dry Chemical, Carbon Dioxide, Foam, Water Class BC, ABC Fire Extinguisher
Unusual Fire Explosion Hazards: None

SECTION V: REACTIVITY DATA

Stability: Stable
Hazardous Polymerization: Will not occur
Hazardous Decomposition Products: Phosphorous oxides, phosphine
Incompatibility: Copper containing products, calcium fertilizers.

SECTION VI: HEALTH HAZARD DATA

Effects of Overexposure/Emergency and First Aid Procedures:
Eyes: Wear chemical type goggles. Avoid contact with eyes. Flush eyes immediately with water.
Skin: Protect skin from contact. Causes irritation. Wash off skin with water.
Inhalation: If vapors or mist causes irritation or distress, remove to fresh air.
Ingestion: If swallowed, do not induce vomiting, consult a physician immediately.
Respiratory Protection: No special requirements.

SECTION VII: SPILL, LEAK, AND DISPOSAL PROCEDURES

Contain all spills and leaks to prevent discharge into the environment. If spilled, use appropriate absorbent material to absorb the spilled material and flush spilled area with water.

SECTION VIII: SPECIAL PRECAUTIONS

Handling and Storage: Avoid overheating or freezing.
Other Precautions: Wash thoroughly after handling. If ingested, call a physician.

SECTION IX: SHIPPING INFORMATION

Shipping Name: Corrosive Liquid, n.o.s (contains Phosphorous Acid), 8, UN1760, PG III "ERG# 154" Hazard Class: Corrosive (8) ID No.: UN 1760
Label Req.: CORROSIVE (8) Placarding: CORROSIVE (8) Freight Class: Compound, Fertilizer (Manufacture Fertilizer), Liquid, NOIBN (NMFC Item 68140, sub 6, class 70) NFPA Rating: Health: 2 Fire: 0 Reactivity: 1

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