



## MATERIAL SAFETY DATA SHEET

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### SECTION I: GENERAL INFORMATION

Product Number: 0624 Product Name: **Phosgard® 0-40-0**  
Product Class: Fertilizer  
Chemical Name and Synonyms: Phosphorous Acid  
Precautions: Avoid contact with eyes, skin, and clothing

### SECTION II: HAZARDOUS INGREDIENTS

	WT PCT	PEC	TVL (TWA)	
	(Approx) MG/M3	PPM	MG/M3	PPM
Phosphorous Acid	47	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 (H<sub>2</sub>O=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.

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