

PMS PRODUCTS
76 VETERANS DR. #110
HOLLAND, MI 49423
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PREPARED: 01/01/05
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MATERIAL SAFETY DATA SHEET

RUST FREE™

THIS DOCUMENT IS PREPARED PURSUANT TO THE
OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

Class 3 Sub Class 8 , UN# 2924, PKG III, WHMIS: Class B, E
Flammable Liquid, Corrosive Liquid n.o.s (contains isopropanol and phosphoric acid)

HMIS Codes = H-1, F-3, R-1, S-COR

SECTION II

CHEMICAL NAMES	Exposure Limits (LD50-Oral Rate)	SARA Title III Section 313	ACGIH TLV/TWA	OSHA PEL	% By Volume
PHOSPHORIC ACID CAS#: 7664-38-2	3,500 mg/kg	0	1 mg/m ³	3 mg/m ³	>1
ISOPROPANOL CAS#: 67-63-0	5,840 mg/kg	0	400 ppm	400 ppm	>1
ETHANOL CAS#: 64-17-5	14 g/kg	NA	1,000 ppm	1,000 ppm	>1

SECTION III - PHYSICAL DATA

Boiling Point (°F)	230	Specific Gravity (H ₂ O = 1)	1.1
Vapor Pressure (mm Hg.)	NA	% Volatile (volume %)	18
Vapor Density (Air = 1)	NA	Evaporation Rate (water = 1)	1
Solubility in Water	Complete	pH	1.75
Appearance and Color	Clear Liquid		

SECTION IV - FIRE AND EXPLOSION INFORMATION

Flash Point (Method Used-Closed Cup)	92°F	Flammable Limits	LEL - NA	UEL - NA
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EXTINGUISHING MEDIA: Carbon Dioxide, Foam, Dry Chemical or Water Spray.

SPECIAL FIRE FIGHTING PROCEDURES: Wear Positive-Pressure, Self-Contained Breathing Apparatus, and Full Protective Equipment.

UNUSUAL FIRE AND EXPLOSION HAZARDS: May cause a flammable environment in closed conditions due to the relative volatility of the components. Will not cause a combustible environment in open conditions.

SECTION V - HEALTH HAZARD DATA

ROUTES OF EXPOSURE: FOR THE PRODUCT

EYES - Direct contact may cause moderate eye irritation.

SKIN - Prolonged or repeated exposure may cause skin irritation.

INHALATION - Single exposure to vapors is not likely to be hazardous under normal handling conditions.

INGESTION - Amounts ingested incidental to industrial handling are not likely to cause injury; however, ingestion of larger amounts may cause injury.

FIRST AID:

EYES - Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical personnel.

SKIN - Immediately remove contaminated clothing and shoes and wash off in flowing water or shower.

INHALATION - Remove to fresh air. If not breathing, give artificial respiration. Call a Physician.

INGESTION - Never give anything by mouth to an unconscious person. If swallowed, DO NOT INDUCE

VOMITING - Give large quantities of water. If vomiting occurs spontaneously, keep air way clear. Get Medical Attention Immediately.

CARCINOGENICITY: This product does not contain any ingredient designated by IARC, NTP, ACGIH. or OSHA as a possible human carcinogen.

SECTION VI - REACTIVITY DATA

STABILITY: (Conditions to Avoid) - Stable under normal storage conditions.

INCOMPATIBILITY: (Materials to Avoid) - Avoid contact with material such as sulfides and sulfites which could release toxic gases. Caustic materials neutralize effectiveness.

HAZARDOUS DECOMPOSITION PRODUCTS: None Known.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Persons involved in cleaning up a spill should wear appropriate protective equipment Stop spill at source, dike to prevent spreading, collect, (or) soak up residue with absorbent such as clay, sand, or suitable material (or) flush to sewer with large quantity of water if permitted in accordance with all Local, State, Provincial, and Federal Regulations.

SECTION VIII - PROTECTIVE EQUIPMENT TO BE USED

VENTILATION REQUIREMENTS: Local ventilation is expected to be satisfactory where this product is stored and handled. General (mechanical) room ventilation may be used.

EYE: Avoid contact with eyes, wear chemical goggles if there is a likelihood of contact with eyes.

SKIN: Avoid contact with skin and clothing. Wear chemical resistant gloves and protective clothing such as rubber gloves, rubber apron, and impervious boots.

SECTION IX - SPECIAL PRECAUTIONS OR OTHER COMMENTS

Keep the Container closed when not in use.

WASTE DISPOSAL METHOD: Disposal of inert material in a chemical landfill. Flush to sewer with large quantity of water if permitted by in accordance with all Local. State, Provincial, and Federal Regulations. Do not allow runoff into public waterways

ABBREVIATION KEY: NA - Not Applicable. NE - Not Established. ND - Not Determined

°Indicates hazardous ingredients which are toxic chemicals subject to reporting requirements of Section 313 of SARA Title III.

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, PMS Products Inc. makes no representations as to its accuracy or sufficiency. Conditions of use are beyond our control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon. information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.