



Safety Data Sheet

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: PM R&O HYD FLD ISO32 5GL
Product Code: PMI4325G
Emergency Phone: CHEMTREC: +1 (800) 424-9300
 International: +01 (703) 527-3887
Poison Control Center: (800) 222-1222
Company: Warren Distribution, Inc.
 727 S. 13th Street
 Omaha, NE 68102
Information Phone: +01 (800) 825-1235 +01 (402) 341-9397
E-mail: sds@wd-wpp.com

II. HAZARDS IDENTIFICATION

Routes of Entry: Skin contact, Inhalation, Ingestion, Eye contact
Target Organs: No organs known to be damaged from exposure to this product.
Chemical Interactions: No chemical interaction known to affect toxicity.
Conditions Aggravated by Exposure: Personnel with pre-existing skin disorders should avoid contact with this product.

Acute Health Effects:

Inhalation Irritation: Breathing oil mist in concentrations that exceed the TLV and PEL may result in respiratory discomfort and irritation.
Skin Contact: No hazard in normal industrial use.
Skin Absorption: No absorption hazard in normal industrial use.
Eye Contact: No hazard in normal industrial use.
Ingestion Irritation: Although this product has a low order of acute oral toxicity, aspiration of minute amounts into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

Chronic Health Effects:

Carcinogenicity: Not expected to cause cancer. This product meets the IP-346 criteria of <3% PAH's and is not considered a carcinogen by the International Agency for Research on Cancer.
Reproductive Toxicity: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

HMIS Ratings:

Health: 0
 Fire: 1
 Reactivity: 0
 PPE: B

NFPA Ratings:

Health: 0
 Fire: 1
 Reactivity: 0

KEY: 0 - Least 1 - Slight 2 - Moderate 3 - High 4 - Extreme

III. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	%	CAS #	OSHA Exposure Limits
Petroleum distillates, hydrotreated heavy paraffinic	100	64742-54-7	5 mg/m3

Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

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IV. FIRST-AID MEASURES

Inhalation:	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.
Eyes:	None expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard.
Skin Contact:	Wash with soap and water. Get medical attention if irritation develops or persists. Seek medical advice if symptoms persist.
Ingestion:	Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this SDS.
Notes to Doctor:	Aspiration during swallowing or vomiting may severely damage the lungs. If evacuation of stomach contents is necessary, use method least likely to cause aspiration.

V. FIRE FIGHTING MEASURES

Flammability	Combustible at elevated temperatures
Summary:	
Extinguishing Media:	Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid.
Fire and/or Explosion Hazards:	Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.
Fire Fighting Methods and Protection:	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use methods for the surrounding fire.
Hazardous Combustion Products:	Carbon monoxide, Smoke

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment:	No health effects expected from the clean up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this SDS.
Methods for Clean-up:	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Dispose of according to Federal, State, Local, or Provincial regulations. Used fluid should be disposed of at a recycling center. Do not flush to sewer.

VII. HANDLING AND STORAGE

Handling Precautions:	No special handling instructions due to toxicity.
Storage Conditions:	Store in a cool dry place. Isolate from incompatible materials.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.
Respiratory Protection:	Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.
Respirator Type(s):	None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.
Eye Protection:	No special requirements under normal industrial use.
Skin Protection:	Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.
Gloves:	Neoprene, Nitrile

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Chemical Name	Occupational Exposure Limits	Value
Oil mist, mineral	OSHA PEL	5 mg/m3
Oil mist, mineral	ACGIH TLV-TWA	5 mg/m3
Oil mist, mineral	ACGIH STEL	10 mg/m3
None.	IDLH	
None.	OSHA PEL-Skin Notation	

X. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Amber
Odor:	Mild
pH:	Not determined
Viscosity (cSt at 40°C):	32.38
Solubility in Water:	Negligible; 0-1%
Octanol/Water	Not determined
Partition Coefficient:	
Evaporation Rate:	Not determined
Vapor Density:	Not determined
Vapor Pressure:	<0.20
Boiling Point (°C):	Not determined
Freezing Point (°C):	Not determined
Specific Gravity:	0.86
Density:	7.19
Flash Point (°C):	204
Flash Point Method:	COC
Upper Flammability Limit, % in air:	= 10
Lower Flammability Limit, % in air:	= 1

X. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition. Moisture (will lead to product performance degradation).
Materials to Avoid:	Strong oxidizing agents
Hazardous Decomp. Products:	Carbon monoxide, Smoke
Hazardous Polymerization:	Hazardous polymerization will not occur.

XI. TOXICOLOGICAL INFORMATION

Acute Toxicity:	
Ingestion:	No hazard in normal industrial use.
Inhalation:	No hazard in normal industrial use.
Absorption:	No absorption hazard in normal industrial use.
Eyes:	This material is likely to be non-irritating to eyes based on animal data.
Skin:	Likely to be non-irritating to skin based on animal data.
Sensitization:	No data available to indicate product or components may be a skin sensitizer.

Component Toxicology Data:

Chemical Name	CAS #	LD ₅₀ /LC ₅₀
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	Inhalation LC ₅₀ Rat 2.18 mg/L 4 h; Oral LD ₅₀ Rat >2000 mg/kg; Dermal LD ₅₀ Rabbit

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>2000 mg/kg

XII. ECOLOGICAL INFORMATION

Mobility: This material is expected to have essentially no mobility in soil. It absorbs strongly to most soil types. {EMIFORM_12MOBA}
Bioconcentration: Bioconcentration may occur.
Degradability: Biodegrades slowly.

Toxicity to Aquatic Invertebrates:	CAS #	Results
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	48 Hr EC50 Daphnia magna: >1000 mg/L

Toxicity to Fish:	CAS #	Results
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	96 Hr LC50 Oncorhynchus mykiss: >5000 mg/L

XIII. DISPOSAL CONSIDERATIONS

Disposal of Packaging: Recycle containers whenever possible.
Disposal Methods: Dispose of according to Federal, State, Local, or Provincial regulations. Recycle used oil.

XIV. TRANSPORTATION INFORMATION

D.O.T. Not classified as hazardous for transport (DOT, TDG, IMO/IMDG, IATA/ICAO).

XV. REGULATORY INFORMATION

TSCA Status: All components of this material are on the US TSCA Inventory or are exempt.
State Restrictions: Not applicable
WHMIS: Uncontrolled product according to WHMIS classification criteria.

Chemical Name	Regulation	CAS #	% Range
None.	CERCLA RQ		
Diphenylamine	SARA 313	122-39-4	0.01 - 0.1
Toluene	SARA 313	108-88-3	0.001- 0.01
Ethyl acrylate	SARA 313	140-88-5	0.001- 0.01
Arsenic	SARA 313	7440-38-2	<10ppm
1,4-Dioxane	SARA 313	123-91-1	<10ppm
Ethylene oxide	SARA 313	75-21-8	<10ppm
Benzene	SARA 313	71-43-2	<10ppm
Propylene oxide	SARA 313	75-56-9	<10ppm
None.	SARA 302-EHS		
None.	TSCA 12b export notification		
Ethyl acrylate	CA Prop 65 – Cancer	140-88-5	0.001- 0.01
1,4-Dioxane	CA Prop 65 – Cancer	123-91-1	<10ppm
Ethylene oxide	CA Prop 65 – Cancer	75-21-8	<10ppm
Benzene	CA Prop 65 – Cancer	71-43-2	<10ppm
Propylene oxide	CA Prop 65 – Cancer	75-56-9	<10ppm
Toluene	CA Prop 65 - Dev. Toxicity	108-88-3	0.001- 0.01
Ethylene oxide	CA Prop 65 - Dev. Toxicity	75-21-8	<10ppm
Benzene	CA Prop 65 - Dev. Toxicity	71-43-2	<10ppm
Ethylene oxide	CA Prop 65 - Reprod –fem	75-21-8	<10ppm
Ethylene oxide	CA Prop 65 - Reprod –male	75-21-8	<10ppm

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Chemical Name	Regulation	CAS #	% Range
Benzene	CA Prop 65 - Reprod –male	71-43-2	<10ppm
None.	Canadian WHMIS List		
None.	Massachusetts RTK List		
None.	New Jersey RTK List		
None.	Pennsylvania RTK List		
None.	Minnesota Hazardous Substance List		

Consumer Product Safety Improvement Act of 2008 General Conformity Certification:

This product has been evaluated and certified to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product container.

XVI. ADDITIONAL INFORMATION

Supersedes:	12/29/2014 9:32:47 AM
Revision Date:	3/11/2015 11:18:35 AM
References:	ACGIH: American Conference of Governmental Industrial Hygienists AIHA: American Industrial Hygiene Association CFR: Code of Federal Regulations DOT: United States Department of Transportation GHS: Globally Harmonized System of Classification and Labeling of Chemicals HMIS: Hazardous Materials Identification System IARC: International Agency for Research on Cancer IATA: International Air Transportation Association IDLH: Immediately Dangerous to Life or Health IMDG: International Maritime Dangerous Goods NFPA: National Fire Protection Association NIOSH: National Institute for Occupational Safety and Health NTP: National Toxicology Program OSHA: Occupational Safety and Health Administration PEL: Permissible Exposure Limit RTK: Right-to-Know SARA: Superfund Amendments and Reauthorization Act STEL: Short-term Exposure Limit TLV: Threshold limit value TSCA: Toxic Substances Control Act TWA: Time weighted average UN: United Nations WHMIS: Workplace Hazardous Materials Information System

Disclaimer: This safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we have received from outside sources and we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.