



Safety Data Sheet

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: PMSTR FS 75W90 GL5 5GL
Product Code: PMI7595G
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: Eyes, Skin
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., Skin disease including eczema and sensitization, Eye disease

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: Can cause severe irritation, defatting, and dermatitis. Irritation effects may last for hours or days but will not likely result in permanent damage.
Skin Absorption: No absorption hazard in normal industrial use.
Eye Contact: Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.
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: 3
 Fire: 1
 Reactivity: 0
 PPE: B

NFPA Ratings:

Health: 3
 Fire: 1
 Reactivity: 0

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

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III. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	%	CAS #	OSHA Exposure Limits
Highly refined synthetic base stocks	40 - 70	64742-54-7	5 mg/m3
alkyl methacrylate oligomer	10 - 30	-	
Diisodecyl adipate	1 - 5	27178-16-1	
Petroleum distillates, hydrotreated heavy paraffinic	0.5 - 1.5	64742-54-7	5 mg/m3
Alkoxyated long-chain alkyl amine	0.1 - 1	Confidential	

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

IV. FIRST-AID MEASURES

Inhalation:	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.
Eyes:	Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.
Skin Contact:	Wash with soap and water. Remove contaminated clothing, launder immediately, and discard contaminated leather goods. Get medical attention immediately. 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:	Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.
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. Remove from water surface by skimming or with suitable absorbents. Do not use dispersants. Avoid runoff into storm sewers and ditches that lead to waterways. Do not flush to sewer.

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VII. HANDLING AND STORAGE

Handling Precautions: Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Empty containers may retain product residues/vapors. Use proper bonding and grounding during bulk product transfer.

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: Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available.

Skin Protection: Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Gloves: Neoprene, Nitrile

Chemical Name	Occupational Exposure Limits	Value
Oil mist, mineral	OSHA PEL	5 mg/m ³
Oil mist, mineral	OSHA PEL	5 mg/m ³
Oil mist, mineral	ACGIH TLV-TWA	5 mg/m ³
Oil mist, mineral	ACGIH TLV-TWA	5 mg/m ³
Oil mist, mineral	ACGIH STEL	10 mg/m ³
Oil mist, mineral	ACGIH STEL	10 mg/m ³
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): 92.87

Solubility in Water: Negligible; 0-1%

Octanol/Water Partition Coefficient: Not determined

Evaporation Rate: Not determined

Vapor Density: Not determined

Vapor Pressure: <0.20

Boiling Point (°C): Not determined

Freezing Point (°C): Not determined

Specific Gravity: 0.88

Density: 7.34

Flash Point (°C): 223

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Flash Point Method: COC
Upper Flammability Limit, % in air: Not established
Lower Flammability Limit, % in air: Not established

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 estimated to be non-irritating eyes (Draize score <15 [rabbits]).
Skin: This material is estimated to be slightly irritating (Primary Irritation Index is 0.5 - 3.0 [rabbits]).
Sensitization: Contains a substance that may cause skin sensitization.

Component Toxicology Data:

Chemical Name	CAS #	LD ₅₀ /LC ₅₀
Highly refined synthetic base stocks	64742-54-7	Inhalation LC ₅₀ Rat 2.18 mg/L 4 h; Oral LD ₅₀ Rat >2000 mg/kg; Dermal LD ₅₀ Rabbit >2000 mg/kg
Adipic acid, diisodecyl ester	27178-16-1	Oral LD ₅₀ Rat 20500 mg/kg (Source: IUCLID); Dermal LD ₅₀ Rat >5000 mg/kg (Source: IUCLID)
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 >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. {EMSFORM_12MOBA}
Bioconcentration: Bioconcentration may occur.
Degradability: Biodegrades slowly.

Toxicity to Aquatic Invertebrates:	CAS #	Results
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	48 Hr EC ₅₀ Daphnia magna: >1000 mg/L
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	48 Hr EC ₅₀ Daphnia magna: >1000 mg/L

Toxicity to Fish:	CAS #	Results
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	96 Hr LC ₅₀ Oncorhynchus mykiss: >5000 mg/L
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	96 Hr LC ₅₀ Oncorhynchus mykiss: >5000 mg/L

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XIII. DISPOSAL CONSIDERATIONS

Disposal of Packaging: Recycle containers whenever possible.

Disposal Methods: Dispose of by incineration following Federal, State, Local, or Provincial regulations.

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		
1,4-Dioxane	SARA 313	123-91-1	<10ppm
Ethylene oxide	SARA 313	75-21-8	<10ppm
Propylene oxide	SARA 313	75-56-9	<10ppm
None.	SARA 302-EHS		
None.	TSCA 12b export notification		
1,4-Dioxane	CA Prop 65 – Cancer	123-91-1	<10ppm
Ethylene oxide	CA Prop 65 – Cancer	75-21-8	<10ppm
Propylene oxide	CA Prop 65 – Cancer	75-56-9	<10ppm
Ethylene oxide	CA Prop 65 - Dev. Toxicity	75-21-8	<10ppm
Ethylene oxide	CA Prop 65 - Reprod –fem	75-21-8	<10ppm
Ethylene oxide	CA Prop 65 - Reprod –male	75-21-8	<10ppm
Diisodecyl adipate	Canadian WHMIS List	27178-16-1	1 - 5
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.

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XVI. ADDITIONAL INFORMATION

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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.