



Safety Data Sheet

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: PM BAR & CHAIN 6/1 GL
Product Code: PMI8BC6P
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, Nervous System, Respiratory Tract, 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, Respiratory disease including asthma and bronchitis, Eye disease

Acute Health Effects:

Inhalation Irritation: Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
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: Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion Irritation: Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

Chronic Health Effects:

Carcinogenicity: Contains a substance that is a probable cancer hazard based on animal studies using doses likely to be encountered in the workplace.
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: 2
 Fire: 1
 Reactivity: 0
 PPE: B

NFPA Ratings:

Health: 2
 Fire: 1
 Reactivity: 0

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

Safety Data Sheet

III. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	%	CAS #	OSHA Exposure Limits
Petroleum distillates, hydrotreated heavy paraffinic	60 - 90	64742-54-7	5 mg/m3
Petroleum distillates, solvent dewaxed heavy paraffinic	5 - 10	64742-65-0	5 mg/m3
Residual oils, petroleum, solvent-refined	1 - 5	64742-01-4	
Distillates, petroleum, straight-run middle	0.5 - 1.5	64741-44-2	
Kerosene	0.5 - 1.5	8008-20-6	
Distillates, petroleum, hydrodesulfurized light catalytic cracked	0.5 - 1.5	68333-25-5	
Distillates, petroleum, hydrodesulfurized middle	0.5 - 1.5	64742-80-9	5 mg/m3
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	0.5 - 1.5	72623-87-1	5 mg/m3
Petroleum distillates, hydrotreated middle	0.1 - 1	64742-46-7	5 mg/m3
Light hydrocracked distillate	0.1 - 1	64741-77-1	

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. If not breathing, give artificial respiration and have a trained individual administer oxygen and get medical attention immediately.
Eyes:	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.
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:	Seek medical attention immediately or call the Poison control center. Do not induce vomiting. If patient is fully conscious, give up to two glasses of water. 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. In case of ingestion, gastric lavage with activated charcoal can be used promptly to prevent absorption. Consideration should be given to the use of an endotracheal tube, to prevent aspiration. Individuals intoxicated by middle distillates should be hospitalized immediately, with acute and continuing attention to neurologic and cardiopulmonary function. Positive pressure ventilation may be necessary. After the initial episode, individuals should be followed for changes in blood variables and the delayed appearance of pulmonary edema and chemical pneumonitis. Such patients should be followed for several days or weeks for delayed effects, including bone marrow toxicity, hepatic, and renal impairment. Individuals with chronic pulmonary disease will be more seriously impaired, and recovery from inhalation exposure may be complicated. Avoid emesis unless a large amount has been ingested or it contains a toxic additive. Gastric lavage after endotracheal intubation should be reserved for a patient who requires GI decontamination and is lethargic or obtunded. Safe use of activated charcoal and cathartic should be considered if ingested. Mineral oil cathartics should not be given to patients. Saline cathartics or sorbitol is preferable. In case of skin injection, prompt debridement of the wound is necessary to minimize necrosis and tissue loss.

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.

Safety Data Sheet

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 irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

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.

VII. HANDLING AND STORAGE

Handling Precautions: Harmful or 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: Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

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. Do not wear contact lenses.

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/m3
Oil mist, mineral	OSHA PEL	5 mg/m3
Oil mist, mineral	OSHA PEL	5 mg/m3
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	OSHA PEL	5 mg/m3
Oil mist, mineral	OSHA PEL	5 mg/m3
Oil mist, mineral	ACGIH TLV-TWA	5 mg/m3
Oil mist, mineral	ACGIH TLV-TWA	5 mg/m3
Kerosene	ACGIH TLV-TWA	200 mg/m3 TWA (application)

Safety Data Sheet

Chemical Name	Occupational Exposure Limits	Value
		restricted to conditions in which there are negligible aerosol exposures, total hydrocarbon vapor)
Oil mist, mineral	ACGIH TLV-TWA	5 mg/m3
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	ACGIH TLV-TWA	5 mg/m3
Oil mist, mineral	ACGIH TLV-TWA	5 mg/m3
Oil mist, mineral	ACGIH STEL	10 mg/m3
Oil mist, mineral	ACGIH STEL	10 mg/m3
Oil mist, mineral	ACGIH STEL	10 mg/m3
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	ACGIH STEL	10 mg/m3
Oil mist, mineral	ACGIH STEL	10 mg/m3
None.	IDLH	
None.	OSHA PEL-Skin Notation	
Kerosene	ACGIH TLV-Skin designation	Skin - potential significant contribution to overall exposure by the cutaneous route

X. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Amber
Odor:	Mild
pH:	Not determined
Viscosity (cSt at 40°C):	96
Solubility in Water:	Insoluble
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):	-20
Specific Gravity:	0.87
Density:	7.28
Flash Point (°C):	193
Flash Point Method:	COC
Upper Flammability Limit, % in air:	= 10
Lower Flammability Limit, % in air:	= 1

Safety Data Sheet

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, Carbon monoxide, sulfur oxides, aldehydes, and other petroleum decomposition products in the case of incomplete combustion. Oxides of nitrogen, phosphorus, calcium, copper, magnesium, sodium, and hydrogen sulfide may also be present.
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:	The material is likely to be moderately irritating to eyes based on animal data.
Skin:	This material is estimated to be severely irritating (Primary Irritation Index is 6.0 - 6.5 [rabbits]).
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 >2000 mg/kg
Residual oils (petroleum), solvent-refined	64742-01-4	Inhalation LC ₅₀ Rat 2.18 mg/L 4 h (Source: IUCLID); Oral LD ₅₀ Rat >5000 mg/kg (Source: IUCLID); Dermal LD ₅₀ Rabbit >2000 mg/kg (Source: IUCLID)
Distillates (petroleum), straight-run middle	64741-44-2	Oral LD ₅₀ Rat 5000 mg/kg (Source: IUCLID); Dermal LD ₅₀ Rabbit >2000 mg/kg (Source: IUCLID); Inhalation LC ₅₀ Rat 1700 mg/m ³ 4 h (Source: NLM_CIP)
Kerosene	8008-20-6	Inhalation LC ₅₀ Rat >5.28 mg/L 4 h (Source: IUCLID); Oral LD ₅₀ Rat >5000 mg/kg (Source: IUCLID); Dermal LD ₅₀ Rabbit >2000 mg/kg (Source: IUCLID)
Distillates, petroleum, hydrodesulfurized light catalytic cracked	68333-25-5	Inhalation LC ₅₀ Rat 4.65 mg/L 4 h (Source: IUCLID); Oral LD ₅₀ Rat 3200 mg/kg (Source: IUCLID); Dermal LD ₅₀ Rat >2000 mg/kg (Source: IUCLID); Dermal LD ₅₀ Rabbit >2000 mg/kg (Source: IUCLID)
Distillates (petroleum), hydrodesulfurized middle	64742-80-9	Oral LD ₅₀ Rat >5000 mg/kg (Source: IUCLID); Dermal LD ₅₀ Rat >2000 mg/kg (Source: IUCLID); Dermal LD ₅₀ Rabbit >2000 mg/kg (Source: IUCLID); Inhalation LC ₅₀ Rat 4600 mg/m ³ 4 h (Source: NLM_CIP)
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	72623-87-1	Inhalation LC ₅₀ Rat 2.18 mg/L 4 h (Source: IUCLID); Oral LD ₅₀ Rat >5000 mg/kg (Source: IUCLID); Dermal LD ₅₀ Rabbit >2000 mg/kg (Source: IUCLID)
Petroleum distillates, hydrotreated middle	64742-46-7	Inhalation LC ₅₀ Rat 4.6 mg/L 4 h (Source:

Safety Data Sheet

Distillates, petroleum, light hydrocracked	64741-77-1	IUCLID); Oral LD50 Rat 7400 mg/kg (Source: IUCLID); Dermal LD50 Rabbit >2000 mg/kg (Source: IUCLID) Inhalation LC50 Rat 4.65 mg/L 4 h (Source: IUCLID); Oral LD50 Rat 3200 mg/kg (Source: IUCLID); Dermal LD50 Rat >2000 mg/kg (Source: IUCLID); Dermal LD50 Rabbit >2000 mg/kg (Source: IUCLID)
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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
Petroleum distillates, solvent dewaxed heavy paraffinic	64742-65-0	48 Hr EC50 Daphnia magna: >1000 mg/L
Residual oils (petroleum), solvent-refined	64742-01-4	48 Hr EC50 Daphnia magna: >1000 mg/L
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	72623-87-1	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
Petroleum distillates, solvent dewaxed heavy paraffinic	64742-65-0	96 Hr LC50 Oncorhynchus mykiss: >5000 mg/L
Residual oils (petroleum), solvent-refined	64742-01-4	96 Hr LC50 Oncorhynchus mykiss: >5000 mg/L
Distillates, petroleum, hydrodesulfurized light catalytic cracked	68333-25-5	96 Hr LC50 Brachydanio rerio: 7.3 mg/L [semi-static]
Petroleum distillates, hydrodesulfurized middle	64742-80-9	96 Hr LC50 Pimephales promelas: 35 mg/L [flow-through]
Lubricating oils, petroleum, C20-50, hydrotreated neutral oil-based	72623-87-1	96 Hr LC50 Oncorhynchus mykiss: >5000 mg/L
Petroleum distillates, hydrotreated middle	64742-46-7	96 Hr LC50 Pimephales promelas: 35 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: >10000 mg/L [static]
Distillates, petroleum, light hydrocracked	64741-77-1	96 Hr LC50 Brachydanio rerio: 7.3 mg/L [semi-static]

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).
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Safety Data Sheet

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		
Naphthalene	SARA 313	91-20-3	0.01 - 0.1
Zinc	SARA 313	7440-66-6	0.01 - 0.1
Xylene (mixed isomers)	SARA 313	1330-20-7	0.01 - 0.1
ethylbenzene	SARA 313	100-41-4	0.001- 0.01
Toluene	SARA 313	108-88-3	0.001- 0.01
Benzene	SARA 313	71-43-2	0.001- 0.01
Biphenyl	SARA 313	92-52-4	0.001- 0.01
Phosphorus	SARA 313	7723-14-0	0.001- 0.01
Vinyl acetate	SARA 313	108-05-4	0.001- 0.01
Cumene	SARA 313	98-82-8	0.001- 0.01
Methyl isobutyl ketone	SARA 313	108-10-1	<10ppm
Ethyl acrylate	SARA 313	140-88-5	<10ppm
None.	SARA 302-EHS		
None.	TSCA 12b export notification		
Naphthalene	CA Prop 65 – Cancer	91-20-3	0.01 - 0.1
ethylbenzene	CA Prop 65 – Cancer	100-41-4	0.001- 0.01
Benzene	CA Prop 65 – Cancer	71-43-2	0.001- 0.01
Cumene	CA Prop 65 – Cancer	98-82-8	0.001- 0.01
ISOBUTYL METHYL KETONE	CA Prop 65 – Cancer	108-10-1	<10ppm
Ethyl acrylate	CA Prop 65 – Cancer	140-88-5	<10ppm
Toluene	CA Prop 65 - Dev. Toxicity	108-88-3	0.001- 0.01
Benzene	CA Prop 65 - Dev. Toxicity	71-43-2	0.001- 0.01
Methyl isobutyl ketone (MIBK)	CA Prop 65 - Dev. Toxicity	108-10-1	<10ppm
None.	CA Prop 65 - Reprod –fem		
Benzene	CA Prop 65 - Reprod –male	71-43-2	0.001- 0.01
Kerosene	Canadian WHMIS List	8008-20-6	0.5 - 1.5
Hydrotreated middle distillate (petroleum)	Canadian WHMIS List	64742-46-7	0.1 - 1
Kerosene	Massachusetts RTK List	8008-20-6	0.5 - 1.5
Kerosene	New Jersey RTK List	8008-20-6	0.5 - 1.5
Kerosene	Pennsylvania RTK List	8008-20-6	0.5 - 1.5
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.

Safety Data Sheet

XVI. ADDITIONAL INFORMATION

Supersedes: 3/23/2015 9:11:24 AM

Revision Date: 3/23/2015 9:13:44 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.