

PX3 75W140 Gear Oil

Prepared according to 29CFR 19 10.1200.

1 | **Chemical Product and Company Identification**

*PX3 LUBRICANTS, LLC
301 HIGHGROVE ROAD
GRANDVIEW, MO 64030
816-765-5011*

Product Trade Name 75W140 GL-5/MT-1 GEAR
CAS Number Not applicable for mixtures.
Synonyms None.
Generic Chemical Name **Complex Mixture**
Product Type **SYN Gear Oil**
Preparation/Revision Date 04 April 2008
Transportation Emergency
Phone No. CHEMTREC) 1-800-424-9300. Outside the U.S. (703) 527-3887
MSDS No. 29032007-30053346-205522751

2 | **Hazards Identification**

Appearance Light brown liquid.
Odor Mild petroleum
Principal Hazards **CAUTION.**
**• CONTAINER VAPOR SPACE MAY CONTAIN HYDROGEN SULFIDE.
MAY CAUSE RESPIRATORY IRRITATION.**

This material is not considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

See Section 11 for complete health hazard information.

3 | **Composition/Information on Ingredients****Hazardous Ingredients**

Comp	CAS No.	Percentage (by wt.)	Carcinogen
Hydrogen sulfide	77 83-06-4	<0.1%	N/E

(N/E) - None established

4 | **First Aid Measures**

Eyes Flush with water at least 30 minutes. Get medical attention if eye irritation develops or persist.

Skin	Wash with soap and water. Get medical attention if irritation develops. Launder contaminated clothing before reuse.
Inhalation	Remove exposed person to fresh air if adverse effects are observed. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration. CONTINUE UNTIL VICTIM RESUMES BREATHING.
Oral	DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.
Additional Information	Note to physician: Hydrosulfide anion is strongly bound to hemoglobin in a manner similar to cyanide. A dose of sodium nitrite would produce methemoglobin in the blood which would then partially inactivate this poison.

5	Fire Fighting Measures
Flash Point	235 °C, 455 °F COC (Typical)
Extinguishing Media	CO2, dry chemical, or foam. Water can be used to cool and protect exposed material.
Firefighting Procedures	Recommend wearing self-contained breathing apparatus. Water may cause splattering.
Unusual Fire & Explosion Hazards	Toxic fumes, gases or vapors may evolve on burning or exposure to heat. Material may contain hydrogen sulfide. Hydrogen sulfide is a toxic and flammable gas.

6	Accidental Release Measures
Spill Procedures	Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Remove sources of ignition. Ventilate spill area. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

7	Handling and Storage
Pumping Temperature	Not determined.
Maximum Handling Temperature	Not determined.
Handling Procedures	Keep away from potential sources of ignition. Liberates hydrogen sulfide gas. Open container carefully and only in adequately ventilated areas or use appropriate respiratory protection. Keep containers closed when not in use. Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product.
Maximum Storage Temperature	A m b i e n t
Storage Procedures	Do not store near potential sources of ignition. Store in well ventilated place. Odorous and toxic fumes may form from the decomposition of this product if stored at temperatures in excess of 113 deg F (45 deg C) for extended periods of time or if heat sources in excess of 250 deg F (121 deg C) are used.
Loading Temperature	Not determined.

8	Exposure Controls/Personal Protection
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Exposure Limits

Comp	Exposure Guidelines					
	OSHA		ACGIH		Other	
	TWA	STEL	TWA	STEL	TWA	STEL
Hydrogen sulfide	10 ppm	15 ppm	10 ppm	15 ppm	N/E	N/E

- (s) - Skin exposure
- (p) - Proposed limit
- (c) - Ceiling exposure
- (l) - Recommended exposure limit
- (u) - Supplier recommended exposure limit
- (N/E) - None established

Other Exposure Limits	Contains mineral oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH STEL of 10 mg per cubic meter. Material may liberate hydrogen sulfide gas. The ACGIH TLV-TWA for hydrogen sulfide is 10 ppm, the ACGIH 15 minute STEL is 15 ppm. The OSHA acceptable ceiling concentration for hydrogen sulfide is 20 ppm. A 10 minute maximum peak of 50 ppm is permitted once, only if no other measurable exposure occurs. The National Institute of Occupational Safety and Health immediately dangerous to life or health (IDLH) value is 300 ppm.
Engineering Controls	Use local exhaust ventilation to control mists or vapors.
Gloves Procedures	Nitrile.
Eye Protection	Safety Glasses.
Respiratory Protection	Under normal use conditions, respirator is not usually required. Use NIOSH/MSHA approved disposable dust/mist mask if the recommended exposure limit is exceeded. Hydrogen sulfide causes olfactory fatigue and thus has poor warning properties. NIOSH recommends the use of full faced supplied air respirator if exposure limits are exceeded.
Clothing Recommendation	Long sleeve shirt is recommended. Launder contaminated clothing before reuse.

9	Physical and Chemical Properties
Flash Point	235 °C, 455 °F COC (Typical)
Upper Flammable Limit	Not determined.
Lower Flammable Limit	Not determined.
Autoignition Point	Not determined.
Explosion Data	Material does not have explosive properties.
Vapor Pressure	Not determined.
pH	Not determined.
Specific Gravity	0.89 (15.6 °C)
Bulk Density	Not determined.
Water Solubility	Insoluble.
Percent Solid	Not determined.
Percent Volatile	Unknown.
Volatile Organic Compound	Not determined.
Vapor Density	Not determined.
Evaporation Rate	Not determined.
Odor	Mild petroleum
Appearance	Light brown liquid.
Viscosity	26.3 Centistokes (100 °C)
Odor Threshold	Unknown.
Boiling Point	Not determined.
Pour Point Temperature	-30 °C, -22 °F
Melting / Freezing Point	Not determined.

The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise noted.

10	Stability and Reactivity
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Stability	Material is normally stable at room temperature and pressure. See the Handling and Storage Section for further details.
Decomposition Temperature	Not determined.
Incompatibility	Strong acids. Strong alkalis. Oxidizing agents.
Polymerization	Will not occur.
Thermal Decomposition	Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Hydrogen sulfide and alkyl mercaptans and sulfides may also be released. Under combustion conditions, oxides of the following elements will be formed: sulfur. Hydrogen sulfide may also be released.
Conditions to Avoid	Not determined.

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Toxicological Information**-- ACUTE EXPOSURE --**

Eye Irritation	Not expected to cause eye irritation. Based on data from components or similar materials.
Skin Irritation	Not expected to be a primary skin irritant. Based on data from components or similar materials. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.
Respiratory Irritation	If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract similar to that observed with mineral oil. Based on data from components or similar materials. Under good industrial hygiene practices where all exposure limits are observed, respiratory irritation should not be a problem. Exposure to hydrogen sulfide can cause temporary loss of the sense of smell and irritation of the eyes, nose or throat.
Dermal Toxicity	The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials.
Inhalation Toxicity	Not expected to be a toxic inhalation hazard. Based on data available from components or similar materials. Inhalation of high concentrations of hydrogen sulfide vapor may cause loss of consciousness and death. Inhalation of lower concentrations may cause headache, dizziness and nausea.
Oral Toxicity	The LD50 in rats is > 5000 mg/kg. Based on data from components or similar materials.
Dermal Sensitization	Experimental data has shown that the concentration of potentially sensitizing components present in this product does not induce skin sensitization.
Inhalation Sensitization	No data available to indicate product or components may be respiratory sensitizers.

-- CHRONIC EXPOSURE --

Chronic Toxicity	No data available to indicate product or components present at greater than 1% are chronic health hazards.
Carcinogenicity	This product is formulated with mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. The oils used in this product have not been evaluated by the IP 346 test.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Reproductive Toxicity	No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.
Teratogenicity	No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.

-- ADDITIONAL INFORMATION --

Other	No other health hazards known.
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Ecological Information

- ENVIRONMENTAL TOXICITY -

Freshwater Fish Toxicity	Not determined.
Freshwater Invertebrates Toxicity	Not determined.
Algal Inhibition	Not determined.
Saltwater Fish Toxicity	Not determined.
Saltwater Invertebrates Toxicity	Not determined.
Bacteria Toxicity	Not determined.
Miscellaneous Toxicity	Not determined.

-- ENVIRONMENTAL FATE --

Biodegradation	At least 25% of the components in this product show moderate biodegradation based on OECD 301-type test data. At least 25% of the components in this product show moderate biodegradation based on OECD 302-type test data.
Bioaccumulation	1 - 10% of the components potentially bioconcentrate, based on octanol/water coefficients.
Soil Mobility	Not determined.

13	Disposal Consideration
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Waste Disposal	This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261.
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14	Transport Information
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ICAO/IATA (US)	Not regulated.
ICAO/IATA (International)	Not regulated.
IMDG	Not regulated.
IMDG EMS Fire	Not applicable.
IMDG EMS Spill	Not applicable.
IMDG MFAG	Not applicable.
IMO Marine Vessel	DO NOT TRANSPORT - ADDITIONAL INFORMATION REQUIRED
U.S. Barge	DO NOT TRANSPORT - ADDITIONAL INFORMATION REQUIRED
USCG Compatibility	Not determined.
U.S. DOT Bulk	Not regulated.
U.S. DOT Non-Bulk	Not regulated.
DOT NAERG	Not applicable.
TDG Bulk	Not regulated.
TDG Non-Bulk	Not regulated.
Mexico	Not regulated.
Mexico Non-Bulk	Not regulated.
Bulk Quantity	85000 liters, 22457 gal.
Non-Bulk Quantity	207.8 liters, 55 gal.

Review classification requirements before shipping materials at elevated temperatures.

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-- Global Chemical Inventories --

USA	All components of this material are on the US TSCA Inventory or are exempt.
Other TSCA Reg.	None known.
EU	All components are in compliance with the EC Seventh amendment Directive 92 /32/EEC.
Japan	All components are in compliance with the Chemical Substances Control Law of Japan.
Australia	All components are in compliance with chemical notification requirements in Australia.
Canada	All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.
Switzerland	All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.
Korea	All components are in compliance in Korea.
Philippines	All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).
China	All components of this product are listed on the Inventory of Existing Chemical Substances in China.

-- Other U.S. Federal Regulations --

SARA Ext. Haz. Subst. This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list.

SARA Section 313 This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.

SARA 311**Classifications.**

Acute Hazard	No
Chronic Hazard	No
Fire Hazard	No
Reactivity Hazard	No

CERCLA hazardous Substances None known.

FDA Approval Not applicable.

-- State Regulations --

Cal. Prop. 65 This product contains the following chemical(s) known to the state of California to cause cancer and/or birth defects based on maximum impurity levels of components: < 1 ppm cadmium < 1 ppm lead < 1 ppm arsenic < 1 ppm Ethyl acrylate, CAS no. 140-88-5

Product Registrations --U.S. Fuel Registration Not applicable.

U.S. Dept of Agriculture This product has not been filed with the USDA to support H2 approvals.

NSF Nonfood Compounds Registration This product has not been filed with the NSF to support H1 or H2 approvals.

Finnish Registration Number Not Registered

Swedish Registration Number Not Registered

Norwegian Registration Number Not Registered

Danish Registration Number Not Registered

Swiss Registration Number Not Registered

Italian Registration Number Not Registered

Korean Registration Not Registered

Number

New Zealand Registration Number Not Registered

-- Other / International --

TDG Regulated Limit. None known.

U.S. Tariff Heading Number 27 10.19.30.20

Schedule B Number 27 10.19.3020

16	Other Information			
US NFPA Codes	Health	Fire	Reactivity	Special
	1	1	0	N/E
(N/E) - None established				
HMIS Codes	Health	Fire	Reactivity	
	0	1	0	
Precautionary Labels	CAUTION.			
	• CONTAINER VAPOR SPACE MAY CONTAIN HYDROGEN SULFIDE. MAY CAUSE RESPIRATORY IRRITATION.			
Revision Indicators	Section: 2 HDS REGULATORY STATUS		Changed: 4 April 2008	
	Section: 5 EXPLOSIVE SEVERITY		Changed: 4 April 2008	
	Section: 5 FLASH POINT		Changed: 4 April 2008	
	Section: 9 FLASH POINT		Changed: 4 April 2008	
	Section: 10 INCOMPATIBILITY		Changed: 4 April 2008	
	Section: 11 DERMAL SENSITIZATION		Changed: 4 April 2008	
	Section: 12 ALGAE TOXICITY		Changed: 4 April 2008	
	Section: 12 FRESHWATER INVERTEBRATE TOXICITY		Changed: 4 April 2008	
	Section: 14 US BARGE		Changed: 4 April 2008	
	Section: 15 CALIFORNIA PROPOSITION 65		Changed: 4 April 2008	
	Section: 15 OTHER TSCA REGULATIONS		Changed: 4 April 2008	

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Document Prepared By: Steven E. Riccio-Anderson

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