

PX3 Oil BOOSTER

Prepared according to 29CFR 19 10.1200.

1	Chemical Product and Company Identification
	<p><i>PX3 LUBRICANTS, LLC 301 HIGHGROVE ROAD GRANDVIEW, MO 64030 816-765-5011</i></p>
Product Trade Name	PX3 Oil Booster
CAS Number	Not applicable for mixtures.
Synonyms	None.
Generic Chemical Name	Complex Mixture.
Product Type	Multipurpose.
Preparation/Revision Date	03 April 2008
Transportation Emergency Phone No.	(CHEMTREC) 1-800-424-9300. Outside the U.S. (703) 527-3887
MSDS No.	14676547-52454745-20522750

2	Hazards Identification
Appearance	Amber liquid.
Odor	Mild
Principal Hazards.	This material has no known health hazards.
<p>This material is not considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200. See Section 11 for complete health hazard information.</p>	

3	Composition/Information on Ingredients
Hazardous Ingredients	This material has no known hazards under applicable laws.

4	First Aid Measures
Eyes	Flush with water at least 30 minutes. Get medical attention if eye irritation develops or persists.
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.
Oral	DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attn.
Additional Information	Note to physician: Treat symptomatically.

5	Fire Fighting Measures
Flash Point	236 °C, 457 °F PMCC (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 Known Hazards	NONE

6	Accidental Release Measures

Spill Procedures Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. 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
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Pumping Temperature Ambient
Maximum Handling Temperature 70 °C , 158 °F
Handling Procedures 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 45 °C, 113 °F
Storage Procedures No special storage precautions required.
Loading Temperature 70 °C, 158 °F

8	Exposure Controls/Personal Protection
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Exposure Limits 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.
Engineering Controls Use with adequate ventilation.
Gloves Procedures Nitrile. Neoprene.
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.
Clothing Recommendation Long sleeve shirt is recommended. Launder contaminated clothing before reuse.

9	Physical and Chemical Properties
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Flash Point 236 °C, 457 °F PMCC (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	0.86 (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
Appearance	Amber liquid.
Viscosity	48 Centistokes (40 °C) 8 Centistokes (100 °C)
Odor Threshold	Unknown.
Boiling Point	Not determined.
Pour Point Temperature	-36 °C, -33 °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
Stability	Material is normally stable at moderately elevated temperatures and pressures.
Decomposition Temperature	Not determined.
Incompatibility	Strong acids. Oxidizing agents.
Polymerization	Will not occur.
Thermal Decomposition	Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.
Conditions to Avoid	Not determined.
11	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.
Dermal Toxicity	The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials.
Inhalation Toxicity	No data available to indicate product or components may be a toxic inhalation hazard.
Oral Toxicity	The LD50 in rats is > 5000 mg/kg. Based on data from components or similar materials.
Dermal Sensitization	No data available to indicate product or components may be a skin sensitizer.
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. All of the oils in this product have been demonstrated to contain less than 3% extractables 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.

12	Ecological Information
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- 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 bio concentrate, 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.

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.

15	Regulatory Information
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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 comply with the EU 7th Amendment and are approved for EU sales. Lubrizol must maintain records of all imports of this product into the EU. Third party importers are asked to report every import to The Lubrizol PSCD Manager (Europe), Hazelwood, Derby DE56 1QN, UK.
Japan	All components are in compliance with the Chemical Substances Control Law of Japan.
Australia	A component(s) of this product has been notified and assessed under the Industrial Chemicals (Notification and Assessment) Act, 1989. This product may be imported only by Lubrizol 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 Substance Ordinance in Switzerland. Lubrizol must maintain records of all imports of this product into Switzerland. Third party importers are asked to report every import to The Lubrizol PSCD Manager (Europe), Hazelwood, Derby DE56 1QN, UK.
Korea	All components are in compliance in Korea.
Philippines	This product requires notification before sale in the Philippines.
China	This product requires notification 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	Acute Hazard	No
Classifications	Chronic Hazard	No
	Fire Hazard	No
	Reactivity Hazard	No

CERCLA
Hazardous 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 arsenic < 1 ppm cadmium < 1 ppm lead

-- 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 Number This product is registered in Korea with the Ministry of the Environment.
New Zealand Registration Number-- Other / International -- Not Registered
TDG Regulated Limit. None known.
U.S. Tariff Heading Number 2710.19.30.20
Schedule B Number 2710.19.30.20

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	. This material has no known health hazards.			
Revision Indicators	Section: 3 HAZARDOUS INGREDIENTS			Changed: 3 April 2008
	Section: 8 HAZARDOUS INGREDIENTS			Changed: 3 April 2008
	Section: 12 ALGAE TOXICITY			Changed: 3 April 2008
	Section: 12 BACTERIA TOXICITY			Changed: 3 April 2008
	Section: 12 FRESHWATER FISH TOXICITY			Changed: 3 April 2008
	Section: 12 FRESHWATER INVERTEBRATE TOXICITY			Changed: 3 April 2008
	Section: 14 US BARGE			Changed: 3 April 2008
	Section: 15 CALIFORNIA PROPOSITION 65			Changed: 3 April 2008
	Section: 15 OTHER TSCA REGULATIONS			Changed: 3 April 2008

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