



SAFETY DATA SHEET

SECTION 1) IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product ID: 567681
Product Name: Xtreme HP Air Cooled 2 Cycle Engine Oil
Revision Date: Jun 14, 2019 **Date Printed:** Jul 12, 2019
Version: 2.0 **Supersedes Date:** Apr 10, 2019
Manufacturer's Name: Martin Operating Partnership L.P.
Address: P.O. Box 191, Kilgore, TX, US, 75663
Emergency Phone: CHEMTREC (800) 424-9300
Information Phone Number: 870-864-7800
Fax:
Product/Recommended Uses: Engine Oil

SECTION 2) HAZARDS IDENTIFICATION

Classification

Acute aquatic toxicity - Category 3
Chronic aquatic toxicity - Category 3
Skin Irritation - Category 3

Pictograms

None

Signal Word

Warning

Hazardous Statements - Health

H316 - Causes mild skin irritation

Hazardous Statements - Environmental

H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements - General

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read label before use.

Precautionary Statements - Prevention

P273 - Avoid release to the environment.

Precautionary Statements - Response

P332 + P313 - If skin irritation occurs: Get medical advice/attention.

Precautionary Statements - Storage

No precautionary statement available.

Precautionary Statements - Disposal

P501 - Dispose of contents/container to disposal recycling center. Under RCRA it is the responsibility of the user of the product to

determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Physical Hazards Not Otherwise Classified (PHNOC)/Health Hazards Not Otherwise Classified (HHNOC)

None.

Acute toxicity of less than one percent of the mixture is unknown

SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0064742-54-7	MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY PARAFFINIC	45.0% - 70.0%
0064742-58-1	LUBRICATING OILS (PETROLEUM), HYDROTREATED SPENT	15.0% - 40.0%
0064742-47-8	ISOPARAFFINIC PETROLEUM DISTILLATE	7.0% - 13.0%
0000091-20-3	NAPHTHALENE	0.0% - 0.1%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

SECTION 4) FIRST-AID MEASURES

Inhalation

Remove source of exposure or move person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor.

Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes or until medical aid is available. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before re-use.

Eye Contact

If irritation occurs, cautiously rinse eyes with lukewarm, gently flowing water for 5 minutes, while holding the eyelids open. If eye irritation persists: Get medical advice/attention.

Ingestion

Rinse mouth. If exposed or concerned: Get medical advice/attention.

Most Important Symptoms/Effects, Acute and Delayed

No data available.

Indication of Immediate Medical Attention and Special Treatment Needed

No data available.

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Small Fire : Dry chemical, foam, carbon dioxide, water-spray or alcohol-resistant foam. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.

Large Fire : Water spray, fog or alcohol-resistant foam.

Unsuitable Extinguishing Media

Do not use straight stream of water.

Specific Hazards in Case of Fire

This material will burn although it is not easily ignited. Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion. Oxides of C, Zn, Ca, P and S. Additional byproducts include hydrogen sulfide, alkyl mercaptan and other sulfides. Containers may explode in fire.

Fire-fighting Procedures

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged

containers from immediate hazard area if it can be done safely. Cool containers with flooding quantities of water until well after fire is out. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Special Protective Actions

Wear protective pressure self-contained breathing apparatus (SCBA).

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure

Isolate hazard area and keep unauthorized personnel away. Stay uphill and/or upstream. Ventilate closed spaces before entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch or walk through spilled material.

Recommended equipment

Wear chemical protective clothing and positive pressure self-contained breathing apparatus (SCBA).

Personal Precautions

Avoid breathing vapor or mist. Avoid contact with skin, eye or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Environmental Precautions

Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Cool containers with flooding quantities of water until well after fire is out. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Methods and Materials for Containment and Cleaning up

Collect with absorbent, non-combustible material, inert material such as sand, sawdust, etc., into suitable containers. Dispose off according to federal, state and local regulations. Ventilate area after clean-up is complete.

SECTION 7) HANDLING AND STORAGE

General

Wash hands after use.

Do not get in eyes, on skin or on clothing.

Do not breathe vapors or mists.

Use good personal hygiene practices.

Eating, drinking and smoking in work areas is prohibited.

Remove contaminated clothing and protective equipment before entering eating areas.

Eyewash stations and showers should be available in areas where this material is used and stored.

Ventilation Requirements

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

Storage Room Requirements

All containers must be properly labelled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty container retain residue and may be dangerous.

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

Skin protection

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance

at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

Respiratory protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 should be followed. Check with respiratory protective equipment suppliers.

Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of gas, vapors or dusts below their respective threshold limit value.

Chemical Name	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (ppm)	OSHA STEL (mg/m3)	OSHA Tables (Z1, Z2, Z3)	OSHA Carcinogen	OSHA Skin designation	NIOSH TWA (ppm)
ISOPARAFFINIC PETROLEUM DISTILLATE	500	2000			1			
LUBRICATING OILS (PETROLEUM), HYDROTREATED SPENT	500	2000			1			
MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY PARAFFINIC	500	2000			1			
MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC	500	2000			1			
NAPHTHALENE	10	50			1			10

Chemical Name	NIOSH TWA (mg/m3)	NIOSH STEL (ppm)	NIOSH STEL (mg/m3)	NIOSH Carcinogen	ACGIH TWA (ppm)	ACGIH TWA (mg/m3)	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)
ISOPARAFFINIC PETROLEUM DISTILLATE					(L)[N159](L)[N800]	[(L)[N159](L)[N800]]; [5 (I)[N159]5 (I)[N800]];		
LUBRICATING OILS (PETROLEUM), HYDROTREATED SPENT					(L)	[(L)]; [5 (I)];		
MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY PARAFFINIC					(L)[N159](L)[N800]	[(L)[N159](L)[N800]]; [5 (I)[N159]5 (I)[N800]];		
MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC					(L)	[(L)]; [5 (I)];		
NAPHTHALENE	50	15	75		10			

Chemical Name	ACGIH Carcinogen	ACGIH Notations	ACGIH TLV Basis	CANtppm	CANtmg	CANsppm	CANsmg

ISOPARAFFINIC PETROLEUM DISTILLATE	[A2[N159]A2 [N800]]; [A4 [N159]A4 [N800]];	[A2[N159]A2 [N800]]; [A4 [N159]A4 [N800]];	URT irr [N159]URT irr [N800]				
LUBRICATING OILS (PETROLEUM), HYDROTREATED SPENT	[A2]; [A4];	[A2]; [A4];	URT irr				
MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY PARAFFINIC	[A2[N159]A2 [N800]]; [A4 [N159]A4 [N800]];	[A2[N159]A2 [N800]]; [A4 [N159]A4 [N800]];	URT irr [N159]URT irr [N800]				
MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC	[A2]; [A4];	[A2]; [A4];	URT irr				
NAPHTHALENE	A3	Skin; A3; BEI	URT irr; cataracts; hemolytic anemia	10	52	15	79

(C) - Ceiling limit, A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans, BEI - Substances for which there is a Biological Exposure Index or Indices, irr - Irritation, URT - Upper respiratory tract

The information in this Section does not list components that might have relevant ACGIH Carcinogen, ACGIH Notations, ACGIH TLV Basis, ACGIH TWA (ppm), ACGIH TWA (mg/m3), OSHA TWA (ppm), OSHA TWA (mg/m3), OSHA Tables (Z1, Z2, Z3) regulatory values, if they are present at less than 1%. Please contact manufacturer for more information.

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Density	7.26 lb/gal
Specific Gravity	0.87
Appearance	Blue green dyed, clear fluid
Odor Threshold	N.A.
Odor Description	Mild petroleum hydrocarbon odor
pH	N.A.
Water Solubility	Negligible
Flammability	Flash point at or above 200°F/93°C
Flash Point Symbol	N.A.
Flash Point	424 °F (Cleveland Open Cup)
Viscosity	57.97 cSt at 40°C (104°F), 8.35 cSt at 100°C (212°F)
Lower Explosion Level	N.A.
Upper Explosion Level	N.A.
Vapor Pressure	Negligible at STP
Vapor Density	N.A.
Freezing Point	N.A.
Melting Point	N.A.
Low Boiling Point	Not determined. Expected to be > 260°C (500°F).
High Boiling Point	N.A.
Auto Ignition Temp	N.A.
Decomposition Pt	N.A.

Evaporation Rate
Coefficient Water/Oil

Negligible at STP
N.A.

SECTION 10) STABILITY AND REACTIVITY

Stability

Stable

Conditions to Avoid

Avoid heat, sparks, flame and contact with incompatible materials

Hazardous Polymerization

Will not occur.

Incompatible Materials

Avoid contact with acids and oxidizing materials.

Hazardous Decomposition Products

None under normal temperatures and pressures.

SECTION 11) TOXICOLOGICAL INFORMATION

Likely route of exposure

Inhalation, ingestion, skin absorption

Skin Corrosion/Irritation

Causes mild skin irritation

Serious Eye Damage/Irritation

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

The vapour is mildly irritating to the eyes.

Respiratory/Skin Sensitization

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

The substance defats the skin, which may cause dryness or cracking.

Germ Cell Mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive Toxicity

No data available.

Specific Target Organ Toxicity - Single Exposure

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

May cause effects on the central nervous system.

Specific Target Organ Toxicity - Repeated Exposure

0064742-94-5 AROMATIC HYDROCARBON MIXTURE >C9

Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.

Aspiration Hazard

0064742-94-5 AROMATIC HYDROCARBON MIXTURE >C9

If liquid is swallowed, it may get into lungs by aspiration

Acute Toxicity

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

If swallowed, can easily enter the airways and could result in aspiration pneumonitis.

If swallowed, can easily enter the airways and could result in aspiration pneumonitis. Inhalation of high concentrations may cause

dizziness, anesthesia, unconsciousness.

0064742-94-5 AROMATIC HYDROCARBON MIXTURE >C9

High concentration of vapors may cause intoxication

Potential Health Effects - Miscellaneous

0000091-20-3 NAPHTHALENE

Is an IARC, NTP or OSHA carcinogen. Tests in some laboratory animals demonstrate carcinogenic activity. Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: kidneys, liver. Recurrent overexposure may result in liver and kidney injury. WARNING: This chemical is known to the State of California to cause cancer.

0064742-94-5 AROMATIC HYDROCARBON MIXTURE >C9

Laboratory studies with rats have shown that petroleum distillates can cause kidney damage and kidney or liver tumors. These effects were not seen in similar studies with guinea pigs, dogs, or monkeys. Several studies evaluating petroleum workers have not shown a significant increase of kidney damage or an increase in kidney or liver tumors.

Likely Routes of Exposure

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

The substance can be absorbed into the body by inhalation of its vapour and by ingestion.

0064742-65-0 MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC

LD50 (Rodent - rat, Oral) : >5000 mg/kg, Toxic effects : Details of toxic effects not reported other than lethal dose value.

LD50 (Rodent - rabbit, Administration onto the skin) : 5000 mg/kg, Toxic effects : Details of toxic effects not reported other than lethal dose value.

0064742-54-7 MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY PARAFFINIC

LD50 (Rodent - rat, Oral) : >15 gm/kg , Toxic effects : Details of toxic effects not reported other than lethal dose value.

LD50 (Rodent - rabbit, Administration onto the skin) : >5 gm/kg, Toxic effects : Details of toxic effects not reported other than lethal dose value.

0000091-20-3 NAPHTHALENE

LC50: Insufficient data

LD50 (oral, mouse): 533 mg/kg (male); 710 mg/kg (female) (1)

LD50 (oral, rat): 1780 mg/kg (2)

SECTION 12) ECOLOGICAL INFORMATION

Toxicity

Harmful to aquatic life with long lasting effects

Persistence and Degradability

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

Expected to be inherently biodegradable. The volatile constituents will oxidize rapidly by photochemical reactions in air.

0064742-94-5 AROMATIC HYDROCARBON MIXTURE >C9

Readily biodegradable

Bio-accumulative Potential

0064742-54-7 MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY PARAFFINIC

Contains constituents with the potential to bioaccumulate.

0064742-94-5 AROMATIC HYDROCARBON MIXTURE >C9

Has the potential to bioaccumulate.

Mobility in Soil

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

Floats on water. Contains volatile constituents. Evaporates within a day from water or soil surfaces. Large volumes may penetrate soil and could contaminate groundwater.

0064742-54-7 MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY PARAFFINIC

Liquid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile.

0064742-65-0 MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC

Liquid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile.

Other Adverse Effects

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws. Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

SECTION 14) Transport Information

	IATA Information	IMDG Information	Transport Canada	U.S. DOT Information
UN number:	Not Regulated	Not Regulated	Not Regulated	Not Regulated
Proper shipping name:	N/A	N/A	N/A	N/A
Hazard class:	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Packaging group:	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Hazardous substance (RQ):			No Data Available	No Data Available
Marine Pollutant:		No Data Available	No Data Available	No Data Available
Note / Special Provision:	No Data Available	No Data Available	No Data Available	No Data Available
Toxic-Inhalation Hazard:			No Data Available	No Data Available

SECTION 15) REGULATORY INFORMATION

Safety, health and environmental regulations

CAS	Chemical Name	% By Weight	Regulation List
0064742-54-7	MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (MILD) HEAVY PARAFFINIC	45% - 70%	DSL,SARA312,TSCA,TX_ESL
0064742-58-1	LUBRICATING OILS (PETROLEUM), HYDROTREATED SPENT	15% - 40%	DSL,SARA312,TSCA,TX_ESL
0064742-65-0	MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC	10% - 30%	DSL,SARA312,TSCA,TX_ESL
0064742-47-8	ISOPARAFFINIC PETROLEUM DISTILLATE	7% - 13%	Canada_NPRI,DSL,SARA312,TSCA,TX_ESL
0000091-20-3	NAPHTHALENE	Trace	Canada_NPRI,DSL,CERCLA,HAPS,SARA312,TSCA,RCRA,TX_ESL,CA_Prop65 - California Proposition 65

The information in this Section does not list components that might have relevant Canada_NPRI, DSL, SARA312, TSCA, TX_ESL regulatory values, if they are present at less than 1%. Please contact manufacturer for more information.

SECTION 16) OTHER INFORMATION INCLUDING INFORMATION ON PREPARATION AND REVISION OF THE SDS

Glossary

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire

Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

Additional Information

ACGIH Notations from Section 8:

For pure, highly and severely refined Mineral Oils (N159) and Mineral Spirits (N800) the ACGIH TWA (mg/m³) is 5 mg/m³(I), ACGIH Notations is A4

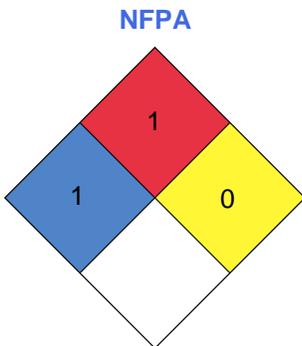
For poorly and mildly refined Mineral Oils (N159) and Mineral Spirits (N800) the ACGIH TWA (mg/m³) is (L), ACGIH Notations is A2

(I)- Inhalable fraction

(L)- Exposure by all routes should be carefully controlled to the levels as low as possible.

(A2)- Suspected Human Carcinogen

(A4)- Not Classifiable as a Human Carcinogen



Version 2.0:

Revision Date: Jun 14, 2019

Changes made on: Section 1, Section 2, Section 3, Section 8, Section 9, Section 11, Section 12, Section 14, Section 15, Section 16.
Please contact the supplier for further information on the version history.

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