

## MATERIAL SAFETY DATA SHEET

### Warren Unilube, Inc.

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## PRODUCT IDENTIFICATION

Trade Name: Coastal ATF +4 Automatic Transmission Fluid

Date Revised: June 11, 2009

Synonyms/product Code: N.A.

Chemical Name: Petroleum Mineral Oil

Family Description: A complex combination of hydrocarbons from a petroleum fraction obtained by solvent crystallization plus additives.

DOT Hazard Class: Not Applicable

NFPA Codes: Health=1, Flammability=1, Instability=0

## COMPOSITION

<u>NAME</u>	<u>CAS NO.</u>	<u>%</u>
Mixture of severely hydrotreated and hydrocracked base oil (petroleum).	Mixture	---

The base oil may be a mixture of the following CAS#s: 8042-47-5, 64742-46-7, 64742-47-8, 64742-54-7, 64742-55-8, 72623-84-8, 72623-85-9, 72623-86-0, 72623-87-1, 178603-64-0, 178603-65-1, 178603-66-2, 445411-73-4.

## PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Viscous liquid
Flash point:	Open cup: 198°C (388.4°F) [Cleveland]
Auto-Ignition temperature:	N/A
Flammable limits:	N/A
Color:	Red
Odor:	Mild petroleum oil like
pH:	N/A
Boiling/condensation point:	N/A
Pour point:	-51°C (-60°F)
Melting/freezing point:	N/A
Relative density:	0.8476 kg/L @ 15°C (59°F)
Vapor pressure:	N/A
Vapor density:	N/A
Volatility:	N/A
Odor threshold:	N/A

Evaporation rate:	N/A
Viscosity:	33.24 cSt @ 40°C (104°F); 7.51 cSt @ 100°C (212°F), VI=204
Solubility:	Insoluble in cold water, soluble in non-polar hydrocarbon solvents.
LogK <sub>ow</sub> :	N/A
Softening Point:	N/A
Dropping Point:	N/A
Penetration:	N/A
Physical/chemical properties comments:	N/A

N/A = Not Available

### **FIRE AND EXPLOSION DATA**

Flammability of the product:	May be combustible at high temperature.
Products of combustion:	Carbon oxides (CO, CO <sub>2</sub> ), nitrogen oxides (NO <sub>x</sub> ), sulphur oxides (SO <sub>x</sub> ), smoke and irritating vapors as products of incomplete combustion.
<b><u>Extinguishing media</u></b>	
Suitable:	Use an extinguishing agent suitable for the surrounding fire.
Not suitable:	None known.
Special exposure hazards:	In a fire or if heated, a pressure increase will occur and the container may burst. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for Firefighters:	Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Special remarks on fire hazards:	Low fire hazard. This material must be heated before ignition will occur.
Special remarks on explosion hazards:	Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

### **REACTIVITY DATA**

Stability and reactivity:	Stable
Conditions of instability:	N/A
Incompatibility with various substances:	Reactive with oxidizing agents, reducing agents and acids.
Hazardous decomposition products:	May release CO <sub>x</sub> , NO <sub>x</sub> , SO <sub>x</sub> , aldehydes, methacrylate monomers, smoke and irritating vapors when heated to decomposition.
Hazardous polymerization:	Under normal conditions of storage and use, hazardous polymerization will not occur.

## **HEALTH HAZARD DATA**

<b>Physical state:</b>	Viscous liquid
<b>Odor:</b>	Mild petroleum oil like
<b>OSHA/HCS status:</b>	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.
<b>Emergency overview:</b>	No specific hazard.
<b>Routes of entry:</b>	Dermal contact. Eye contact. Inhalation. Ingestion.
<b><u>Potential acute health effects</u></b>	
<b>Eyes:</b>	Slightly irritating to the eyes.
<b>Skin:</b>	Slightly irritating to the skin.
<b>Inhalation:</b>	No known significant effects or critical hazards.
<b>Ingestion:</b>	No known significant effects or critical hazards.
<b>Medical conditions aggravated by over-exposure:</b>	Repeated skin exposure can produce local skin destruction or dermatitis. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation.

## **EMERGENCY FIRST AID PROCEDURES**

<b>Eye Contact:</b>	Incase of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
<b>Skin Contact:</b>	Wash skin thoroughly with soap and water or use recognized skin cleanser. Get medical attention if irritation occurs. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse.
<b>Inhalation:</b>	If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If potentially dangerous quantities of this material have been swallowed, call a physician immediately.
<b>Protection of first-aiders:</b>	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

## **SPECIAL PROTECTION INFORMATION**

### **Product name**

Mixture of severely hydrotreated and hydrocracked base oil (petroleum)

### **Exposure limits**

ACGIH TLV (United States). Notes: (oil mist)

TWA: 5mg/m<sup>3</sup> 8 hour(s)

STEL: 10 mg/m<sup>3</sup> 15 minute(s).

### **Consult local authorities for acceptable exposure limits.**

### **Engineering measures:**

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this

product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

### **Personal protection**

<b>Eyes:</b>	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
<b>Skin:</b>	Personal protection equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
<b>Respiratory:</b>	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: organic vapor filter.
<b>Hands:</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Recommended: neoprene, nitrile, polyvinyl alcohol (PVA), Viton.
<b>Hygiene measures:</b>	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

### **SPILL OR LEAK AND DISPOSAL PROCEDURES**

<b>Personal precautions:</b>	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Special Protection Information).
<b>Environmental precautions:</b>	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
<b>Methods for clean-up:</b>	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
<b>Disposal:</b>	Should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

**Refer to SPECIAL PRECAUTIONS AND COMMENTS and SPECIAL PROTECTION INFORMATION for additional handling information and protection of employees.**

**Waste disposal:**

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### **SPECIAL PRECAUTIONS AND COMMENTS**

**Handling:**

Keep away from heat. Keep away from sources of ignition. Empty container or liners may retain some product residues. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapor/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles.

**Storage:**

Keep container in a cool, well-ventilated area. Keep container tightly closed. Store away from incompatible materials (see REACTIVITY DATA).

### **TOXICOLOGICAL INFORMATION**

**Toxicity data**

<b><u>Product/ingredient name</u></b>	<b><u>Test</u></b>	<b><u>Result</u></b>	<b><u>Route</u></b>	<b><u>Species</u></b>
Mixture of severely hydrotreated and hydrocracked base oil (petroleum)	LD50	>5000 mg/kg	Oral	Rat
	LD50	>2000 mg/kg	Dermal	Rabbit
	LC50	>2500 mg/m <sup>3</sup> (4 hrs.)	Inhalation	Rat

**Specific effects**

**Carcinogenic effects:**

Not listed as carcinogenic by OSHA, NTP or IARC.

**Mutagenic effects:**

No known significant effects or critical hazards.

**Teratogenicity / Reproductive toxicity:**

No known significant effects or critical hazards.

**Sensitization**

**Ingestion:**

No known significant effects or critical hazards.

**Inhalation:** No known significant effects or critical hazards.  
**Eyes:** Slightly irritating to the eyes.  
**Skin:** Slightly irritating to the skin.  
**Synergistic products:** N/A

### **ECOLOGICAL INFORMATION**

#### **Ecotoxicity data**

<b><u>Product/ingredient name</u></b>	<b><u>Species</u></b>	<b><u>Period</u></b>	<b><u>Result</u></b>
<b>Environmental precautions:</b>	No known significant effects or critical hazards.		
<b>Bioconcentration factor:</b>	N/A		
<b>BOD and COD:</b>	N/A		
<b>Biodegradable/OECD</b>	N/A		
<b>Mobility:</b>	N/A		
<b>Special remarks on the products of biodegradation</b>	N/A		

### **TRANSPORT INFORMATION**

<b>Regulatory Information</b>	<b>UN Number</b>	<b>Proper shipping name</b>	<b>Class</b>	<b>PG*</b>	<b>Label</b>	<b>Additional information</b>
<b>TDG Classification</b>	Not regulated	--	--	--		--
<b>DOT Classification</b>	Not available	Not available	Not available	--		--

\*Packing Group

### **REGULATORY INFORMATION**

#### **United States**

**HCS Classification:** Not regulated

**U.S. Federal regulations / State regulations:**

California Prop. 65: This product contains an ingredient(s) for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute.

#### **Canada**

**WHMIS (Canada):** Not controlled under WHMIS (Canada)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

#### **International regulations**

##### **International lists**

**CANADA INVENTORY (DSL):** Listed  
**EC INVENTORY (EINECS/ELINCS):** Listed  
**TSCA 8(b) inventory:** Listed

### SARA TITLE III INFORMATION

<u>Acute</u>	<u>Chronic</u>	<u>Fire</u>	<u>Pressure</u>	<u>Reactive</u>
X	X			

#### SARA Hazardous Substances

<u>Ingredient</u>	<u>CAS NO.</u>	<u>%, WT</u>	<u>Sec 313</u>	<u>Sec 302</u>	<u>RQ, lb</u>	<u>TPQ, lb</u>
None						

Key: Sec 313 = Toxic Chemicals, Section 313  
Sec 302 = Extremely Hazardous Substances (EHS)  
RQ = Reportable Quantity of EHS  
TPQ = Threshold Planning Quantity of EHS

### CALIFORNIA PROPOSITION 65 WARNING

Chemicals known to the State of California to cause cancer, birth defects or other reproductive harm may be found in the petroleum products. Although it is possible to sufficiently refine the petroleum products to remove the potential for cancer, we are advising that one or more of the listed chemicals may be present in some detectable quantities. Read and follow directions and use care when handling these petroleum products.

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