



# MTL

Released: 2011-07-10

Version: R1.1  
Revision Date: 2011-07-10

## 1. IDENTIFICATION OF THE SUBSTANCE / APPLICATION AND THE COMPANY

**Supplier**  
Maxima Racing Oils  
9266 Abraham Way  
Santee, CA 92071  
USA  
+1 619 449 5000

**Product Name:** MTL-E 85wt, MTL-R 80wt, MTL-XL 75wt  
**Article Number:** 40901, 41901, 42901

**Applications:** Transmission and Clutch Oil

**Emergency Telephone:** CHEMTREC +1 703 527 3887 (24 hours)

## 2. HAZARDS IDENTIFICATION

**Health**  
**Classification:**  
This product is not classified as dangerous.  
May cause mild eye irritation.  
Prolonged or repeated skin contact may cause mild irritation, dehydration and the risk of developing non-allergic dermatitis.

**Fire**  
**Classification:**  
This product is not flammable.

**Environment**  
**Classification:**  
This product contains two pollutants in low concentrations.

**Other Hazards**  
**Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.**

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### Classification of substances according to EU Directive 2005:7

Hazardous Substances	Content %	CAS Number	EC Number	Symbols	Risk Phrases
Hydrotreated paraffinic petroleum distillate <sup>1,2</sup>	80-100	See note 1,2	-	Not classified	Not classified
Zinc dialkyl dithiophosphate	<5	68649-42-3	272-028-3	Xi N	R38, R41 R51/53
Proprietary organosulfur-phosphorous compound	<5	93028-29-6	296-721-5	-	R53
Multi-functional additive mixture	5-15				

Note 1: Contains highly refined mineral oils with the following CAS / EC number: 64742-47-8/265-149-8.

Note 2: Containing DMSO at a low concentration (&lt;3% according to IP 346), that substance is not classified as carcinogenic (Note L CLP, 1272/2008/EC).



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## 4. FIRST-AID MEASURES

<b>Inhalation</b>	No specific first aid measures are required because this material is not expected to be harmful if inhaled. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.
<b>Skin Contact</b>	No specific first aid measures are required because this material is not expected to be harmful if it contacts the skin. Remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.
<b>Eye Contact</b>	No specific first aid measures are required because this material is not expected to cause eye irritation. As a precaution, remove contact lenses, if worn. If irritation persists, call a physician.
<b>Ingestion</b>	Do not induce vomiting. As a precaution, give the person a glass of water or milk to drink and get medical advice. Never give anything by mouth to an unconscious person.

## 5. FIRE FIGHTING MEASURES

<b>Extinguishing Media</b>	Use water fog, foam, dry chemical or carbon dioxide (CO <sub>2</sub> ) to extinguish flames.
<b>Special Hazards</b>	This material will burn although it is not easily ignited. Minimize breathing of gases, vapor, fumes or decomposition products. Harmful smoke consisting of carbon oxides formed during the fire.
<b>Protective equipment</b>	Use smoke diving equipment (fire suit, breathing apparatus) when fighting fires.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Eliminate all sources of ignition in vicinity of spilled material. Wear chemical resistant gloves. See also: Personal Protective Equipment "section 8.
<b>Environmental Precautions</b>	Prevent discharge to sewer of greater quantity. Contain release to prevent further contamination of soil, surface water or groundwater.
<b>Methods/Materials for Cleaning up</b>	Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulation. Dike with sand or earth and collect. Collected material is handled in accordance with section 13 "Disposal Considerations".



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## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water. Wear recommended protective equipment. Practice good personal hygiene after handling.
<b>Storage</b>	Store in closed containers of proper construction. Store away from sources of ignition and in areas of good ventilation. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure Limits</b>	TLV = 5 mg/m <sup>3</sup> as oil mist
<b>Ventilation</b>	Use care in the areas of adequate ventilation. Use mechanical exhaust to control vapors or mists.
<b>Gloves</b>	Use nitrile or neoprene gloves.
<b>Eye Protection</b>	Safety glasses, goggles or face shield recommended.
<b>Respiratory</b>	Use NIOSH / MSHA approved respirator with organic vapor cartridge and dust / mist cartridge is recommended if limit is exceeded. Self-contained breathing apparatus for confined entry is recommended.
<b>Clothing</b>	Long sleeve t-shirt and apron when potential for skin contact. Neoprene or nitrile rubber boots when necessary to avoid contaminating shoes.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Light amber color liquid
<b>Odor</b>	Slight petroleum odor
<b>pH</b>	NA
<b>Vapor Density (Air=1)</b>	>1
<b>Vapor Pressure</b>	<.01mmHg @ 100 °F
<b>Boiling Point</b>	ND
<b>Flash Point</b>	190 ° C
<b>Relative Density</b>	850-870 kg/m <sup>3</sup> at 15.5 ° C
<b>Solubility</b>	Soluble in hydrocarbons; insoluble in water
<b>Freezing Point</b>	NA
<b>Melting Point</b>	NA
<b>Specific Gravity</b>	.85 - .87 @ 15.6°C / 15.6°C
<b>Volatile Organic Compounds (VOC)</b>	<5.0% weight (approximate)
<b>Viscosity</b>	89.3 cSt (85wt) – 63.5 cSt (80wt) – 31.6 cSt (75wt)



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## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
<b>Incompatibility with other Materials</b>	May react with strong oxidizing agents, such as chlorate, nitrates, peroxides, etc.
<b>Hazardous Decomposition Products</b>	None known (none expected).
<b>Hazardous Polymerization</b>	Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicity</b>	Mixture; Not determined.
<b>Eye Irritation</b>	Not expected to cause eye irritation.
<b>Skin Irritation</b>	Not expected to be a primary skin irritant. Prolonged or repetitive contact may cause irritation.
<b>Acute Oral Toxicity</b>	Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea and abdominal pain.
<b>Carcinogenic Genetic Toxicity</b>	This material has not been identified as a carcinogen by NTP, IARC or OSHA. This product gave negative results in the following mutagenicity assays: Microbial/Microsome Reverse Mutation Assay.
<b>ADDITIONAL TOXICOLOGY INFORMATION</b>	This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

## 12. ECOLOGICAL INFORMATION

Highly refined mineral oil

<b>Biodegradation</b>	Not readily biodegradable.
<b>Acute Toxicity</b>	Expected to be harmful to aquatic organisms. LC50, aquatic organisms:> 100 mg / l
<b>Bioaccumulation</b>	Not expected to be bioaccumulative in the aquatic environment.
Proprietary organosulfur-phosphorous compound	
<b>Biodegradation</b>	Potential persistent.
<b>Acute Toxicity</b>	LC50 for aquatic life:> 100 mg / l.
<b>Bioaccumulation</b>	Potentially bioaccumulative in the aquatic environment.



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Zinc dialkyl dithiophosphate

<b>Biodegradation</b>	Potential persistent.
<b>Acute Toxicity</b>	LC50 for aquatic organisms: 1 - <10 mg / l.
<b>Bioaccumulation</b>	Potentially bioaccumulative in the aquatic environment.
<b>Single Review</b>	The product is not environmentally hazardous.

### 13. DISPOSAL CONSIDERATIONS

**Disposal** Unused and Hazardous Waste (SFS 2001:1063, Waste Regulation).  
Used Product Waste: 13 02 05 (explanation: engine, gear and lubricating oils, mineral-based non-chlorinated engine, gear and lubricating oils). If spillage or waste can't be recycled in-house (note: permit requirements) contact the municipality or the County Board approved contractor.

Note that the classification of waste is the responsibility of the user. Completely emptied containers can be left for recycling. Put the emptied container upside down to drain. Collect the remaining contents for use alt disposal. Wait until the container is drip dry. Sort container with the cap been removed as HARD PLASTIC PACKAGING. Management of Well-drained (drip-free) packaging is not hazardous waste.

Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Consult federal, state and local regulations regarding disposal methods. Do not contaminate oil with solvents or other chemicals.

### 14. TRANSPORT INFORMATION

Not considered dangerous goods by transport regulations.

### 15. REGULATORY INFORMATION

#### Classification and labeling according to 2005:7 and CLP, 1272/2008/EG (Table 3.2)

The product is not classified as a health and / or environment. The product is not classified as explosive, oxidizing or flammable.

### 16. OTHER INFORMATION

<b>NFPA Ratings</b>	Health:	0	Flammability:	1	Reactivity:	0
<b>HMIS Ratings</b>	Health:	1	Flammability:	1	Reactivity:	0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, \*-Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the



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National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

**The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.**