



MAXIMA SYNTHETIC CHAIN CASE OIL

Version: 1.2

Released: 2015-06-01

Revision Date: 2017-11-02

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: Maxima Synthetic Chain Case Oil
Article Number: 45916
Generic Chemical Name: Synthetic Oil
Applications: Gear Oil

Emergency Telephone: In USA: CHEMTREC +1 703 527 3887 (24 hours)
Outside USA: +1 619 449 5000

2. HAZARDS IDENTIFICATION

GHS Classification Not Classified
GHS Pictogram Not Classified
Signal Word Not Classified
Hazard Statements None
Precautionary Statements

Prevention None
Response None
Storage None
Disposal None

Other Hazards This product contains no PBT/vPvB chemicals.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	Content %	CAS Number
Petroleum distillates, hydrotreated light paraffinic	<70	64742-55-8
Petroleum Distillates, hydrotreated Heavy Paraffin	<70	64742-54-7
Petroleum distillates, hydrotreated light naphthenic	<10	64742-53-6
Metal Salt	<3	Proprietary

The specific identity and/or exact percentage has been withheld as a trade secret.



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4. FIRST-AID MEASURES

Inhalation	If inhaled, remove person to fresh air and keep comfortable for breathing. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. If unconscious, place in the recovery position and seek medical attention immediately.
Skin Contact	In case of contact, immediately rinse skin with plenty of water. Remove contaminated clothing and shoes. If skin irritation occurs, seek medical attention. Launder contaminated clothing before reuse.
Eye Contact	In case of contact, immediately rinse eyes with plenty of fresh, clean water for at least 15 minutes. Remove contact lenses if present and continue rinsing. Seek medical attention immediately.
Ingestion	Do not induce vomiting. Call a physician or emergency medical facility immediately.
Most Important Symptoms	No data available
Indication of Immediate Medical Attention Needed	No data available
Notes to Physician	Treat appropriately

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use Carbon dioxide (CO ₂), dry chemical, or foam to extinguish flames
Specific Hazards Arising From The Chemical	Decomposition Products: May form CO and CO ₂ .
Special Protective Equipment And Precautions For Fire-Fighters	Self-contained full-face positive pressure breathing apparatus (SCBA) should be used. Water can be used to cool and protect exposed material. Do not allow runoff water and contaminants from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with spilled material. Use suitable personal protective equipment. Ventilate area if spilled in confined space or other poorly ventilated areas. Evacuate personnel to safe areas. Keep unnecessary personnel away
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Environmental Hazards Prevent entry into sewers and waterways. Report spills as required to appropriate authorities in accordance with all applicable regulations.

Methods/Materials for Cleaning up Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13).

Clean, preferably with a detergent. Do not use solvents.

Do not allow spills to enter drains or water courses.

If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.

Dispose of in accordance with all federal, state, and local environmental regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes and prolonged or repeated contact with skin and clothing. Avoid breathing vapors and mists. Wash thoroughly after handling. Remove oil-soaked clothing and launder before re-use.

Conditions for Safe Storage Store in a dry location at room temperature. Keep this container and vapors from the container away from heat and flame. Keep container closed and maintain all original markings and labels.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits	Petroleum distillates, hydrotreated light paraffinic	None Established
	Petroleum Distillates, hydrotreated Heavy Paraffin	None Established
	Petroleum distillates, hydrotreated light naphthenic	None Established
	Metal Salt	None Established

Contains mineral oil. The exposure limits for oil mist are 5 mg/m³ OSHA PEL and 10 mg/m³ ACGIH.



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Appropriate Engineering Controls	Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions.. If the recommended exposure limit is exceeded increased mechanical ventilation such as local exhaust may be required.
Personal Protection	
Respiratory Protection:	None needed under normal use conditions with adequate ventilation. If exposure limits are exceeded, use a NIOSH approved respirator with organic vapor cartridges and particulate pre-filter. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.
Eye Protection:	Safety glasses or goggles recommended if splashing is possible.
Skin/Body Protection:	No special protective clothing is normally required. If there is a potential for prolonged skin contact, wear a long sleeved shirt and apron. Neoprene or nitrile rubber boots when necessary to avoid contaminating shoes.
Hand Protection:	Use nitrile or neoprene gloves for prolonged or repeated skin contact. .

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Color	Amber
Odor	Petroleum odor
Odor Threshold	No data available
pH	No data available
Freezing Point	No data available
Boiling Point	No data available
Flash Point	> 125°C
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Upper Explosion Limit	No data available
Lower Explosion Limit	No data available
Vapor Pressure	No data available
Vapor Density (Air=1)	Heavier than air
Relative Density	0.8576 @ 15.61°C
Solubility	Negligible
Partition Coefficient: n-octanol/water	No data available
Auto Ignition Temperature	No data available
Decomposition Temperature	No data available
Volatile Organic Compounds (VOC)	No data available



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The data listed above are typical physical and chemical properties that do not constitute product specification.

10. STABILITY AND REACTIVITY

Reactivity	Not expected to be reactive.
Chemical Stability	Material is normally stable at ambient temperature and pressure.
Possibility of Hazardous Reactions	None known.
Conditions to Avoid	Avoid temperatures over 120°F, open flames and sparks.
Incompatible Materials	Avoid contact with strong oxidizing agents and reducing agents
Hazardous Decomposition Product	May form CO and CO ₂ .

11. TOXICOLOGICAL INFORMATION

Potential Health Hazards

Eye Contact: May cause mild irritation

Skin Contact: Prolonged or repeated contact may cause mild irritation or dryness. Repeated skin contact may cause dermatitis.

Inhalation: Excessive inhalation of vapors or mists may cause upper respiratory tract irritation and central nervous system effects including headache, dizziness and nausea. Breathing high concentrations of oil mists may cause lung damage.

Ingestion: Swallowing large amounts may cause gastrointestinal effects including nausea and diarrhea.

Chronic Effects of Overexposure: Used motor oils have been found to cause skin cancer in skin painting studies with laboratory animals.

Sensitization: None of the components have been found to cause sensitization in animals or humans.

Mutagenicity: This product is not expected to cause mutagenic activity.

Reproductive Toxicity: This product is not expected to cause reproductive or developmental effects.

Carcinogenicity: None of the components of this product are listed as a carcinogen or suspected carcinogen by IARC, NTP, or OSHA.

Acute Toxicity:

Metal Salt	Oral rat LD50 >7350 mg/kg, Inhalation LC50 mg/L/4 hr – not available, Dermal LD50 mg/kg – not available
Petroleum Distillates, hydrotreated Heavy Paraffin	Oral rat LD50 >5000 mg/kg, Inhalation LC50 mg/L/4 hr – not available, Dermal rabbit LD50 >5000 mg/kg
Petroleum distillates, hydrotreated light naphthenic	Oral rat LD50 >5000 mg/kg, Inhalation LC50 mg/L/4 hr – not available, Dermal LD50 mg/kg – not available



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Petroleum distillates,
hydrotreated light paraffinic

Oral rat LD50 >2000 mg/kg, Inhalation LC50 mg/L/4 hr – not available, Dermal rabbit LD50 >2000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

Synthetic Base Oils 96 hr LL50 Oncorhynchus mykiss >1000 mg/L, 48 hr EL50 daphnia magna >1000 mg/L, 72 hr EL50 Scenedesmus capricornutum 1000 mg/L

Multifunctional Additive Mixture 96 hr LC50 fish >100 mg/L, 48 hr daphnia magna >100 mg/L, 72 hr EC50 algae >100 mg/L

Zinc Alkyldithiophosphate 96 hr LC50 Oncorhynchus mykiss 4.5 mg/L, 48 hr EC50 daphnia magna 23 mg/L, 72 hr EC50 Scenedesmus quadricauda 21 mg/L

Organosulfur-Phosphorus Compound No data available

Biodegradation

Synthetic base oils and multifunctional additive are inherently biodegradable.

Bioaccumulation

Synthetic base oils is not expected to bioaccumulate. Multifunctional additive mixture has the potential to bioaccumulate.

Mobility in soil

No data available

Other adverse effects:

None known.

13. DISPOSAL CONSIDERATIONS

Disposal

Consult federal, state and local regulations regarding disposal methods, recycle used oil. Do not contaminate used oil with solvents or other chemicals.

14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT		Not Regulated			
TDG		Not Regulated			
IMDG		Not Regulated			
IATA		Not Regulated			

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form

Special precautions: None known.



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15. REGULATORY INFORMATION

CERCLA (>.1%): This product is not subject to CERCLA reporting requirements.

EPA SARA 311/312 (>.1%): This product does not contain chemicals regulated under SARA 311/312.

EPA SARA 313 (>.1%): This product does not contain chemicals regulated under SARA 313.

California Proposition 65: This product contains the following chemicals known to the State of California to cause cancer and reproductive toxicity:

Methanol	67-56-1	25-30 ppm	developmental
Ethyl acrylate	140-88-5	<1ppm	cancer
Methyl isobutyl ketone	108-10-1	<1ppm	cancer / developmental
Naphthalene	91-20-3	<1ppm	cancer
Ethylbenzene	100-41-4	<1ppm	cancer
Benzene	71-43-2	<1ppm	cancer / developmental
Toluene	108-88-3	<1ppm	developmental

Chemical Inventories

Toxic Substances Control Act: All of the components of this product are listed on the TSCA inventory
Inventory – Australia – Inventory of Chemical Substances (AICS):

Distillates (petroleum), hydrotreated light
Petroleum Distillates, Hydrotreated heavy paraffin
Petroleum distillates, hydrotreated light naphthenic
Petroleum distillates, hydrotreated light paraffinic

Inventory – Japan Existing and New Chemical Substances (ENCS):

Distillates (petroleum), hydrotreated light
Petroleum Distillates, Hydrotreated heavy paraffin
Petroleum distillates, hydrotreated light naphthenic
Petroleum distillates, hydrotreated light paraffinic

16. OTHER INFORMATION

NFPA Rating (NFPA 704):	Health: 0	Fire: 1	Instability: 0
HMIS Rating:	Health: 0	Fire: 1	Physical Hazard: 0

Date of Revision: November 2, 2017

Date of Previous Revision: July 2015

Revision History:

5/28/15: Converted to GHS format. All section revised

11/2/17: Updated emergency telephone #



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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.