CASTOR 927

Version: 1.1
Released: 2015-06-01 Revision Date: 2015-05-28

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: Castor 927

Article Number: 23901

Applications: 2T Engine Oil

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

2. HAZARDS IDENTIFICATION

GHS Classification

Skin Irritation	Category 2
Skin Sensitization	Category 1
Eye Irritation	Category 2A

GHS Pictogram

Signal Word **Warning!**

Hazard Statements
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation.

Precautionary Statements

Prevention
P261 Avoid breathing mist, vapors or spray.
P264 Wash thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.

Response
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical attention.

Storage None

Disposal P501 Dispose of contents and container in accordance with local and national regulations.

Other Hazards None

CASTOR 927

Version: 1.1
Released: 2015-06-01 Revision Date: 2015-05-28

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	Content %	CAS Number
Castor Oil	50-70	8001-79-4
Modified Fatty Acid Ester	<50	Proprietary
Multifunctional Additive Mixture	10-20	Mixture

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

4. FIRST-AID MEASURES

Inhalation	If inhaled remove to fresh air. If irritation or difficulty in breathing occurs, get medical attention.
Skin Contact	Wash skin with soap and water. Remove clothing and shoes if contaminated. Launder clothing before reuse. If irritation or rash develops, get medical attention.
Eye Contact	Flush eyes with water for several minutes. Remove contact lenses, if present and easy to do so. If eye irritation persists, get medical attention.
Ingestion	If conscious, rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.
Most Important Symptoms	Causes eye and skin irritation. May cause allergic skin reaction. Inhalation of vapors or mists may cause respiratory irritation. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Indication of Immediate Medical Attention Needed	Immediate medical attention is not required.
Notes to Physician	Treat appropriately

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.
Specific Hazards Arising From The Chemical	This material will burn although it is not easily ignited. Combustion will produce carbon and nitrogen oxides and unidentified organic compounds.
Special Protective Equipment And Precautions For Fire-Fighters	Firefighters should wear full emergency equipment and a NIOSH approved positive pressure self-contained breathing apparatus. Cool exposed intact containers with water

CASTOR 927

Version: 1.1
Released: 2015-06-01 Revision Date: 2015-05-28

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate protective equipment. Wash thoroughly after handling. See also: “Personal Protection "section 8.
Environmental Hazards	Avoid release into the environment. Report spill as required by local and federal regulations.
Methods/Materials for Cleaning up	Dike spill and collect with an inert absorbent. Place into closable containers for disposal. Collected material is handled in accordance with section 13 "Disposal Considerations".

7. HANDLING AND STORAGE

Precautions for Safe Handling:	Avoid contact with eyes, 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 cool area away from oxidizing agents. Protect containers from physical damage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits	Castor Oil	None Established
	Modified Fatty Acid Ester	None Established
	Multifunctional Additive Mixture	None Established
Appropriate Engineering Controls	Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions. If exposures are excessive, 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:	If there is a potential for 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 Viton gloves recommended to prevent skin contact.	

CASTOR 927

Version: 1.1
Released: 2015-06-01 Revision Date: 2015-05-28

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Color	Amber
Odor	Faint, sweet odor
Odor Threshold	No data available
pH	No data available
Freezing Point	No data available
Boiling Point	450°F (232.2°C)
Flash Point	No data available
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	<0.01 mmHg @ 100°F
Vapor Density (Air=1)	>1
Relative Density	0.9-0.95 @ 15.6°C
Solubility	Soluble in alcohols and hydrocarbons; insoluble in water
Partition Coefficient: n-octanol/water	No data available
Auto Ignition Temperature	No data available
Decomposition Temperature	No data available
Volatile Organic Compounds (VOC)	0%
Viscosity	172 cSt @ 40°C

10. STABILITY AND REACTIVITY

Reactivity	Not expected to be reactive.
Chemical Stability	Stable.
Possibility of Hazardous Reactions	None known.
Conditions to Avoid	None known.
Incompatible Materials	Avoid contact with strong oxidizing agents.
Hazardous Decomposition Product	Thermal decomposition may produce carbon and nitrogen oxides and unidentified organic compounds.

CASTOR 927

Version: 1.1
Released: 2015-06-01 Revision Date: 2015-05-28

11. TOXICOLOGICAL INFORMATION

Potential Health Hazards
Eye Contact: Causes eye irritation with redness, tearing and pain.
Skin Contact: May cause irritation, with redness, itching or dryness.
Inhalation: Excessive inhalation of vapors or mists may cause upper respiratory tract irritation and central nervous system effects including headache, dizziness and nausea.
Ingestion: Swallowing large amounts may cause gastrointestinal effects including nausea and diarrhea.
Chronic Effects of Overexposure: None known.
Sensitization: Multifunctional additive mixture has been found to cause sensitization.
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:

Castor Oil	Oral rat LD50 >5000 mg/kg,
Modified Fatty Acid Ester	Oral rat LD50 >5000 mg/kg
Multifunctional Additive Mixture	Oral rat LD50 >5000 mg/kg, Dermal rabbit LD50 >2000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

Castor Oil	96 hr EC50 danio rerio >1000 mg/L, 48 hr EC50 daphnia magna 9.3 mg/L
Modified Fatty Acid Ester	No data available
Multifunctional Additive Mixture	No data available. This material is expected to be toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

Biodegradation	Castor oil is readily biodegradable. Multifunctional additive mixture is not readily biodegradable
Bioaccumulation	Castor oil has a BCF of <10 which suggests the potential for bioaccumulation is low.
Mobility in soil	No data available
Other adverse effects:	None known.

CASTOR 927

Version: 1.1
Released: 2015-06-01 Revision Date: 2015-05-28

13. DISPOSAL CONSIDERATIONS

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

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.

15. REGULATORY INFORMATION

CERCLA: This product is not subject to CERCLA reporting requirements, however, oil spills are reportabl to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.
EPA SARA 302: This product does not contain chemicals regulated under SARA Section 302.
EPA SARA 311 Hazard Classification: Acute Health.
EPA SARA 313: This product contains the following chemicals that are regulated under SARA Title III, section 313: None

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

Naphthalene	91-20-3	<0.05%	Cancer

Chemical Inventories
Toxic Substances Control Act: All of the components of this product are listed on the TSCA inventory

16. OTHER INFORMATION

NFPA Rating (NFPA 704):	Health: 2	Fire: 1	Instability: 0
HMIS Rating:	Health: 2	Fire: 1	Physical Hazard: 0

Date of Revision: May 28, 2015
Date of Previous Revision: August 2014

CASTOR 927

Version: 1.1
Released: 2015-06-01 Revision Date: 2015-05-28

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

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.