



CASTOR 927

Released: 2011-07-11

Version: R1.1
Revision Date: 2011-07-11

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



Harmful

Health

Classification: Harmful

May cause sensitization by skin contact.

May cause mild eye irritation.

Repeated or prolonged skin contact may cause mild irritation, dehydration and the risk of developing allergic eczema.

Fire

Classification:

This product is not flammable.

Environment

Classification:

Product contains a hazardous substance.

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
Castor Oil, N.O.S.	>50	8001-79-4	232-293-8	NC	NC
Modified Fatty Acid Ester	<50	Confidential	Confidential		
Multi-functional additive mixture	10-20	Confidential	Confidential		



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4. FIRST-AID MEASURES

Inhalation	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.
Skin Contact	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.
Eye Contact	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.
Ingestion	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

Extinguishing Media	Use water fog, foam, dry chemical or carbon dioxide (CO ₂) to extinguish flames.
Special Hazards	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.
Protective equipment	Use smoke diving equipment (fire suit, breathing apparatus) when fighting fires.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Eliminate all sources of ignition in vicinity of spilled material. Wear chemical resistant gloves. See also: Personal Protective Equipment "section 8.
Environmental Precautions	Prevent discharge to sewer of greater quantity. Contain release to prevent further contamination of soil, surface water or groundwater.
Methods/Materials for Cleaning up	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

Handling	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.
Storage	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

Exposure Limits	None
Ventilation	Use care in the areas of adequate ventilation. Use mechanical exhaust to control vapors or mists.
Gloves	Use nitrile or neoprene gloves.
Eye Protection	Safety glasses, goggles or face shield recommended.
Respiratory	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.
Clothing	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

Appearance	Amber color liquid
Odor	Faint sweet odor
pH	NA
Vapor Density (Air=1)	>1
Vapor Pressure	<.01mmHg @ 100 °F
Boiling Point	ND
Flash Point	> 200 ° C
Relative Density	900-950 kg/m ³ at 15.5 ° C
Solubility	Soluble in some alcohols and hydrocarbons; insoluble in water
Freezing Point	NA
Melting Point	NA
Specific Gravity	.90 - .95 @ 15.6°C / 15.6°C
Volatile Organic Compounds (VOC)	<0.0% weight (approximate)
Viscosity	800 Saybolt Seconds (SUS)



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10. STABILITY AND REACTIVITY

Chemical Stability	This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Incompatibility with other Materials	None known (none expected).
Hazardous Decomposition Products	None known (none expected).
Hazardous Polymerization	Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicity	Mixture; Not determined.
Eye Irritation	Not expected to cause eye irritation.
Skin Irritation	Not expected to be a primary skin irritant. Prolonged or repetitive contact may cause irritation.
Acute Oral Toxicity	Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea and abdominal pain.
Carcinogenic Genetic Toxicity	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.
ADDITIONAL TOXICOLOGY INFORMATION	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

Castor Oil	
Biodegradation	Readily biodegradable.
Acute Toxicity	LC50 for aquatic life:> 100 mg / l.
Bioaccumulation	Not expected to be bioaccumulative in the aquatic environment.
Single Review	The product is environmentally dangerous.



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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)



Symbols

Irritant

Risk Phrases: R43 Harmful: May cause sensitization by skin contact.

Safety Phrases: 2-24-37 Keep away from children. Avoid contact with skin. Wear suitable gloves.

16. OTHER INFORMATION

NFPA Ratings Health: 0 Flammability: 1 Reactivity: 0

HMIS Ratings 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 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



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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.