

MotorSilk™ Automatic Transmission Treatment

Material Safety Data Sheet

3/25/06

Manufacturer and Location:

Advanced Lubrication Technology, Inc.
3000 SW 42ND Ave.
Palm City, FL 34990

Emergency: INFOTRAC 800-535-5053

A. Product Identification

Synonyms: AUTOMATIC TRANSMISSION FLUID TREATMENT

Catalog Number: MSAT

Chemical Name: Mixture / Telomere & hydrocarbon with Boron derivatives

Chemical Family: Hydrocarbons / Boron

Chemical Formula: Mixture

CAS Reg. No.: Mixture

B. Composition / Information on Ingredients

Product and/or Components are not known to contain any chemical listed as a carcinogen or suspected carcinogen by OSHA Hazard communication standard 29CFR 1910.1200, IARC, or the National Toxicology Program (NTP) at a concentration greater than 0.1%

CAS	%	OSHA	ACGIH	PEL	TLV
Ingredients		Number	By Wt.		
Paraffinic hydrocarbons		64742-96-7	> 55	NE	NE
Olefinic hydrocarbons		Various	< 5	NE	NE
Aromatic hydrocarbons		Various	> 27	NE	NE
Boron derivatives			<5,000ppm	NE	NE

C. Personal Protection Information

Ventilation: Use adequate ventilation.

Respiratory Protection: Not generally required unless needed to prevent respiratory of spill or leak resulting in unknown concentration, use NIOSH / MSHA approved supplied air respirator.

Eye Protection: For splash protection, use chemical goggles and face shield.

Skin Protection: Use gloves resistant to the material being used (i.e. neoprene or Nitrile rubber).
Use protective garments to prevent excessive skin contact.

NOTE: Personal protection information shown in Section C is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

D. Handling and Storage Precautions

Do not get in eyes, on skin or on clothing. Avoid breathing vapors, mist, fume or dust. Do not swallow. Product may be aspirated into lungs. Wear protective equipment and/or garments described in Section C if exposure conditions warrant. Wash thoroughly after handling. Launder contaminated clothing before reuse. Use with adequate ventilation. Keep away from heat, sparks, and flames. Keep product in a well-ventilated area. Keep product in a closed container. Bond and ground during transfer.

E. Reactivity Data

Stability:	Stable
Conditions to Avoid:	Not Established
Incompatibility (Materials to Avoid):	Oxygen and strong oxidizing agents.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Not Established.
Hazardous Decomposition Products:	Carbon and various hydrocarbons formed when burned..

F. Health Hazard Data

Recommended Exposure Limits:	Not Established
Acute Effects of Overexposure:	
Eyes:	Immediately flush with large quantities of cool water for at least 15 minutes. Get medical attention.
Skin:	May cause severe irritation. Repeated or prolonged contact may cause defatting of the skin, resulting in dermatitis.
Inhalation:	May cause irritation to nose, throat or lungs. Headache, nausea, dizziness, nervousness may occur.
Ingestion:	May cause irritation to intestines. May cause headache, nausea, unconsciousness. If swallowed, may be aspirated resulting in inflammation and possible fluid accumulation in the lungs.

Subchronic and Chronic Effects of Overexposure:

Inhalation of vapors may cause carboxyhemoglobinemia. Chronic exposure to carbon monoxide causes fatigue, poor memory, loss of sensation in fingers, visual disturbances and insomnia. Carboxyhemoglobinemia is frequently misdiagnosed as flu.

Other Health Effects: No known applicable information.

Health Hazard Categories:

	Animal	Human		Animal	Human
Known Carcinogen	___	___	Toxic	___	___
Suspect Carcinogen	___	___	Mild Corrosive	___	___
Mutagen	___	___	Irritant	<u> X </u>	<u> X </u>
Teratogen	___	___	Target Organ Toxin	___	___
Allergic Sensitizer	___	___	Specify	___	___

First Aid and Emergency Procedures:

Eye: Flush eyes with running water for at least fifteen minutes. If irritation or adverse symptoms develop, seek medical attention.

Skin: Immediately wash skin with soap and water for at least fifteen minutes. If irritation or adverse symptoms develop, seek medical attention.

Inhalation: Remove from exposure. If breathing is difficult, give oxygen. If breathing ceases, administer artificial respiration followed by oxygen. Seek immediate medical attention.

Ingestion: Do not induce vomiting. Seek immediate medical attention.

Note to Physician: Gastric lavage using a cuffed endotracheal tube may be performed at your discretion.

G. Physical Data

Appearance: Red oily liquid
Odor: Mild
Boiling Point: 340-690F (171-366C)
Vapor Pressure: mmHg @25 C <.1
Vapor Density (Air = 1): >heavier than air
Solubility in Water: Insoluble
Specific Gravity (H2O = 1): 0.87 at 60/60F (16/16C)
Percent Volatile by Volume: Negligible
Evaporation Rate : Negligible
Viscosity: 96 cSt @ 104 F (40C)
Stability: Stable under normal conditions.

H. Fire and Explosion Data

Flash Point (coc): >400F (>204C) (Estimated)
Autoignition temperature: >500 F.

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Flammable Limits (N/A): LEL - Not Established UEL - Not Established

Fire Extinguishing Media: Dry chemical, foam or carbon dioxide (CO2).

Special Fire Fighting Procedures: Evacuate area of all unnecessary personnel. Shut off source, if possible. Use NIOSH/MSHA approved self-contained breathing apparatus and other protective equipment and/or garments Described in Section C if conditions warrant. Water fog or spray may be used to cool exposed containers and equipment. Do not spray water directly on fire - product will float and could be reignited on surface of water.

Fire and Explosion Hazards: Carbon and various oxides formed when burned.

I. Spill, Leak and Disposal Procedures

Precautions Required if Material is Released or Spilled: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Take up small spills with dry chemical absorbents. Large spills may be taken up with pump or vacuum and finished off with dry chemical absorbent. May require excavation of contaminated soil.

Waste Disposal (Insure Conformity with all Applicable Disposal Regulations):
Incinerate or place in permitted waste management facility.

J. DOT Transportation

Shipping Name:	Petroleum oil. Not designated as a hazardous material by the federal D.O.T.
Hazard Class:	Not designated as a hazardous material by the federal D.O.T.
ID Number:	NA
Packing Group:	NA
Marking:	Gear Lubricant
Label:	None
Shipping Description:	Gear Lubricant
Packaging References:	NA

NOTE: This product may be reclassified as a combustible liquid when shipped domestically, by land only. If reclassified as a combustible liquid, this product is unregulated by DOT when shipped in non-bulk quantities.

K. RCRA Classification - Unadulterated Product as a Waste

Prior to disposal, consult your environmental contact to determine if TCLP (Toxicity Characteristic Leaching Procedure, EPA Test Method 1311) is required. Reference 40 CFR Part 261.

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L. Protection Required for Work on Contaminated Equipment

Contact immediate supervisor for specific instructions before work is initiated. Wear protective

equipment and/or garments described in Section C if exposure conditions warrant.

M. Hazard Classification

X: This product meets the following hazard definition(s) as defined by the Occupational Safety and Health Hazard Communication Standard (29 CFR Section 1910.1200):

- | | | |
|---|---|---|
| <input type="checkbox"/> Combustible Liquid | <input type="checkbox"/> Flammable Aerosol | <input type="checkbox"/> Oxidizer |
| <input type="checkbox"/> Compressed Gas | <input type="checkbox"/> Explosive | <input type="checkbox"/> Pyrophoric |
| <input type="checkbox"/> Flammable Gas | <input checked="" type="checkbox"/> Health Hazard (Section F) | <input type="checkbox"/> Unstable |
| <input type="checkbox"/> Flammable Liquid | <input type="checkbox"/> Organic Peroxide | <input type="checkbox"/> Water Reactive |
| <input type="checkbox"/> Flammable Solid | | |

Based on information presently available, this product does not meet any of the hazard definitions of 29 CFR Section 1910.1200.

This product contains the following chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. (See Section B). NONE

OTHER INFORMATION

THIS INFORMATION IS BASED ON PRESENT KNOWLEDGE AND SHOULD BE USED ONLY AS A GUIDE. HOWEVER, THIS SHALL NOT CONSTITUTE A GUARANTEE FOR ANY SPECIFIC PRODUCT FEATURES. ADVANCED LUBRICATION TECHNOLOGY, INC. IS NOT HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCTS. MSDS HAS BEEN PREPARED IN ACCORDANCE WITH EU DIRECTIVE 67/548/EEC, 91/155/EEC AND OTHER EU COMMUNITY LEGISLATIONS IN FORCE.