

MATERIAL SAFETY DATA SHEET

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*May be used to comply with OSHA's
Hazard Communication Standard
29CFR 1910.1200. Standard
must be consulted for specific
requirements.*

SECTION I

IDENTIFICATION

Trade Name:	Dura Lube Engine Treatment
Product Code:	HL-SL052B
U.S. D.O.T. Shipping Name:	Non Regulated.
Technical Name:	Not Applicable
U.S. D.O.T. Primary Hazard Class:	Non Regulated
U.S. D.O.T. Secondary Hazard Class:	Not Applicable
Identification Number:	Not Applicable
IATA (Airline):	Non Regulated
Maritime:	Non Regulated
Packing Group:	Not Applicable
Reportable Quantity:	Not Applicable

SECTION II

HAZARDOUS INGREDIENTS--IDENTITY INFORMATION

<u>Hazardous Components</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Petroleum Oils	64742-58-1	500 ppm	100 ppm
	64742-62-7	500 ppm	100 ppm
	64742-57-0	500 ppm	100 ppm
	72623-83-7	500 ppm	100 ppm
	64742-01-4	500 ppm	100 ppm
	64741-88-4	500 ppm	100 ppm

Other components, if any, are considered to be non-hazardous as per OSHA 29 CFR 1910.1200.

SECTION III

PHYSICAL & CHEMICAL CHARACTERISTICS

Flash Point:	>300°F ASTM D-93 PM Closed Cup
Boiling Point:	>550°F
Specific Gravity (H ₂ O=1):	0.95 - 1.10 @ 25°C
Vapor Density (Air=1):	>1
Evaporation Rate (BA=1):	<1
Weight (lb./gal.):	8.75
Solubility in Water:	Negligible
Viscosity:	40-140 (cSt @ 25°C)
Appearance & Odor:	Clear brown / yellowish liquid, hydrocarbon odor

SECTION IV

FIRE & EXPLOSION HAZARD DATA

Extinguishing Media:	Regular foam, carbon dioxide, dry chemical.
Special Fire Fighting Procedures:	Wear a Self Contained Breathing Apparatus with full face-piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Do Not use a direct stream of water, product will float and can be reignited on surface of water.
Unusual Fire & Explosion Hazards:	Keep fire or heat exposed containers cool to prevent explosion.

SECTION V

REACTIVITY DATA

Stability:	Stable.
Materials to Avoid:	Oxidizing materials.
Conditions to Avoid:	Contact with open flame, heat, other.
Hazardous Decomposition Products:	Prolonged temperatures over 100°F will result in product darkening. Thermal decomposition products are highly dependent on the combustion conditions. A complex mixture of airborne solid, liquid, particulates, and gases will evolve when this material undergoes pyrolysis or combustion. Carbon monoxide, heat. Other unidentified organic compounds may be formed during combustion.
Hazardous Polymerization:	Will not occur.

SECTION VI**HEALTH HAZARD DATA****SIGNS AND SYMPTOMS OF EXPOSURE:**

Eyes: Irritation, redness, stinging.
Dermal: Dryness, irritation, redness.
Inhalation: Vapors may irritate nose, throat, respiratory tract.
Ingestion: Nausea, vomiting, dizziness, headache, blurred vision.

EMERGENCY RESPONSE AND FIRST AID PROCEDURES:

Eyes: If symptoms develop, move individual away from exposure and into fresh air. Flush eyelids with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, get medical attention.
Dermal: Wash with soap and water and then flush with water until all chemical is removed. Remove contaminated clothing promptly and wash before reuse. If irritation persists get medical attention.
Inhalation: Remove to fresh air. If breathing has stopped, give artificial respiration, provided a qualified individual is available. If breathing is difficult, give oxygen, provided a qualified operator is available. Get prompt medical attention.
Ingestion: If conscious, Do Not induce vomiting. This material is an aspiration hazard. Drink large amounts of water. Get medical attention. If vomiting occurs, give additional water. If drowsy or unconscious, place on left side with head down. Take immediately to hospital. Do Not attempt to induce vomiting or give anything by mouth to an unconscious person. If possible, do not leave individual unattended.

SECTION VII**TOXICOLOGICAL INFORMATION****ACUTE HEALTH HAZARDS:**

Eyes: Mild eye irritation, prolong or repeated exposure may cause moderate corneal injury and effects may be slow to heal.
Dermal: Exposure may cause skin irritation. Prolonged or repeated exposure may cause drying, redness, and cracking of the skin. Skin absorption is possible but harmful effects are not expected from this route of exposure under normal conditions of handling and use.
Inhalation: Short term toxicity from inhalation of mists and vapors is low. Breathing small amounts during normal handling is not likely to cause harmful effects; breathing large amounts may be harmful to nose, throat, and/or respiratory tract.
Ingestion: Harmful or fatal if swallowed. Pulmonary aspiration hazard if swallowed and/or vomiting occurs - can enter lungs and cause damage.

CHRONIC HEALTH HAZARDS:

None expected at the industrial level.

Pre-existing medical conditions aggravated by exposure:

Disorders or diseases of the skin, or respiratory system.

CARCINOGENICITY:

No data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.

SECTION VIII**SPILL OR LEAK PROCEDURES****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Dike or pill area. Remove all sources of ignition. Ventilate area if necessary. Absorb free liquid with earth, sand, clay, or absorbent pads and place in non-leak containers for disposal. Flush area for trace residue and dispose of as below. Wear respiratory protection for large spill, leak or release. Use personal protective equipment as stated in Section IX. Do not flush to drain/storm sewer.

WASTE DISPOSAL METHOD:

In accordance with Local, State, and Federal Laws.

SECTION IX

SPECIAL PROTECTION INFORMATION

Respiratory Protection:

Normally not needed in a well ventilated area. If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH approved air supplied respirator is advised.

Ventilation:

Mechanical to maintain exposure below TLV(s).

Protective Gloves:

Rubber.

Eye Protection:

Goggles or safety glasses. Provide eye wash station and washing facilities near use or handling facilities.

Other:

Wear full work clothing needed to minimize exposure.

Hygienic Practices:

Always wash face and hands after contact. Remove contaminated clothing and wash before reuse.

SECTION X

NOTES

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in the use of this material.

Revision date:

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