

Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Opti-Mizer – Fuel additive containing polyamine condensation product base dispersant, middle distillate solvent in hydrotreated mineral oil and other components judged not to affect the potential health and environmental impact of the product.

COMPANY IDENTIFICATION

MANUFACTURER:

Interlube International, Inc.
170 3rd Street
Blaine, WA 98230

EMERGENCY TELEPHONE NUMBERS

Health: 360-332-2132

Transportation: Chemtrec 800-424-9300

2. COMPOSITION / INFORMATION ON INGREDIENTS

100% Opti-Mizer

The composition of this mixture may be proprietary information. In the event of a medical emergency, compositional information will be provided to a physician or nurse.

This product is hazardous as defined in 29 CFR 1910.1200, based on the following compositional information:

<u>OSHA HAZARD</u>	<u>COMPONENT</u>
Suspect skin carcinogen	Kerosene
Eye irritant	Kerosene, Polybutene amine
ACGIH TLV / OSHA PEL	Xylene, Trimethylbenzene

COMPOSITION COMMENT

All the components of this material are on the Toxic Substances Control Act Chemical Substances Inventory.

This product fits the ACGIH definition for mineral oil mist. The ACGIH TLV is 5 mg/m³, the OSHA PEL is 5 mg/m³.

TLV - Threshold Limit Value	TWA - Time Weighed Average
STEL - Short Term Exposure Limit	TPQ - Threshold Planning Quantity
RQ - Reportable Quantity	PEL - Permissible Exposure Limit
C - Ceiling Limit	CAS - Chemical Abstract Service Number
A1-5 - Appendix A Categories	() - Change has been proposed

including self contained breathing apparatus. Liquid evaporates and forms vapor (fumes) which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources, such as pilot lights, welding equipment and electrical motors and switches.

COMBUSTION PRODUCTS: Normal combustion forms carbon dioxide and water vapor. Incomplete combustion can produce carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

Chemtrec Emergency Number: 24 hour 1-800-424-9300

ACCIDENTAL RELEASE MEASURES: Certain geographical areas have air pollution restrictions concerning the use of materials in work situation which may release volatile components to the atmosphere. Air pollution regulations should be studied to determine if this material is regulated in the area where it is to be used.

Stop the source of the leak or release. Clean up releases as soon as possible. Contain liquid to prevent further contamination of soil, surface water or ground water. Clean up small spills using appropriate techniques, such as sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.

7. HANDLING AND STORAGE

DO NOT weld, heat, or drill container. Residue may ignite with explosive violence if heated sufficiently. CAUTION! Do not use pressure to empty drum or drum may rupture with explosive force. READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.

DO NOT USE OR STORE near flame, sparks, or hot surfaces. USE ONLY IN WELL VENTILLATED AREA. Keep container closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment:

EYE/FACE PROTECTION: Do not get this material in your eyes. Eye contact can be avoided by wearing chemical goggles.

SKIN PROTECTION: No special protection is usually necessary. Avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing protective clothing.

RESPIRATORY PROTECTION: No special respiratory protection is normally required. However, if operating conditions create airborne concentrations which exceed the recommended exposure standards, the use of an approved respirator is required.

WORKPLACE EXPOSURE GUIDELINES: OSHA regulation 29 CFR1910.1000 requires the following permissible exposure limits: A TWA of 100 ppm (435mg/m³) and a STEL of 150 ppm (655 mg/m³) for Xylenes. A TWA of 25 ppm (125 mg/m³) for Trimethylbenzene.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION:

<u>pH:</u>	NDA
<u>VAPOR PRESSURE:</u>	5 at 100 maximum
<u>VAPOR DENSITY (Air = 1):</u>	NA
<u>BOILING POINT:</u>	347° to 617°

FREEZING POINT: NDA
MELTING POINT: NA
SOLUBILITY: Soluble in hydrocarbon solvents; insoluble in water
SPECIFIC GRAVITY: 0.885
EVAPORATION RATE: NA
VISCOSITY: 20 cSt @ 40°C (Min)
PERCENT VOLATILE (VOL): NDA

10. STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS: NDA
CHEMICAL STABILITY: Stable
CONDITIONS TO AVOID: NDA
INCOMPATIBILITY WITH OTHER MATERIALS: May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
HAZARDOUS POLYMERIZATION: Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

EYE AND SKIN EFFECTS: No product toxicology available. The hazard evaluation was based on data on the components.
ACUTE ORAL AND INHALATION EFFECTS: No product toxicology available. The hazard evaluation was based on data from similar materials.
ADDITIONAL TOXICOLOGY INFORMATION: This product contains petroleum base oils, which are refined by severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communications 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 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

ECOTOXICITY: No data available.
ENVIRONMENTAL FATE: No data available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS: Oil collection services and collection centers are available for used motor oil recycling or disposal. Some service stations, automotive service centers and retailers provide motor oil collection facilities. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

14. TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations for additional description requirements (eg. technical name) and mode-specific or quantity specific shipping requirements.

DOT Shipping Name: Not designated as a hazardous material by the Federal DOT
DOT Hazard Class: Not applicable
DOT Identification #: Not applicable
DOT Packing Group: Not applicable

15. REGULATORY INFORMATION

- SARA 311 Categories: 1. Immediate (Acute) Health Effects: Yes
2. Delayed (Chronic) Health Effects: No
3. Fire Hazard: No
4. Sudden Release of Pressure Hazard: No
5. Reactivity Hazard: No

Regulatory Lists Searched:

Table with 3 columns listing regulatory codes and their corresponding list names, such as 01 = SARA 313, 11 = NJ RTK, 22 = TSCA Sect 5 (a) (2), etc.

The following components of this material are found on the regulatory lists indicated. Distillate, Hydrotreated Heavy Paraffinic is found on lists: 14, 15, 17.

NEW JERSEY RTK CLASSIFICATION: Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et.seq., the product is to be identified as follows: CAS64742547 Hydrotreated Heavy Paraffinic Distillates New Jersey Right-to-Know trade secret registry number 001154100-5023P

16. OTHER INFORMATION

NFPA Ratings: Health 1; Flammability 2; Reactivity 0 (Least - 0, Slight - 1, Moderate - 2, High - 3, Extreme - 4). 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 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 modification 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 use.