

# MATERIAL SAFETY DATA SHEET

Centurion Lubricants  
**OPTI-LUBE**  
 (888) 326-6789

## I. IDENTITY OF MATERIAL

**PRODUCT NAME:** OPTI-LUBE OIL FORTIFIER, AN ANTI-WEAR INDUSTRIAL OIL ADDITIVE

**DOT PROPER SHIPPING NAME:** OIL ADDITIVE, PETROLEUM OIL, N.O.S.

**SHIPPING ID NUMBER:** UN NA 1270

## II. HAZARDOUS INGREDIENTS

| MATERIAL   | %     | CAS NUMBER | TLV (UNITS)        | OSHA PEL           |
|--|-------|------------|--------------------|--------------------|
| Refined, hydrotreated naphthenic oil   | <60.0 | 64742-52-5 | 5mg/M <sup>3</sup> | 5mg/M <sup>3</sup> |
| Active Sulfur as Anti-Oxidant  | <0.5  | 68649-42-3 | —                  | —                  |
| Active Chlorine  | <25.0 | 63449-36-8 | —                  | —                  |
| Other non hazardous ingredients are high temperature dispersants rust preventatives, etc and are withheld by Opti-Lube Ltd Co. claiming trade secret |       |            |                    |                    |

Contains no other ingredients now known to be hazardous as defined under OSHA 101.58, OSHA 29 CFR 1910.1000 (Sub part 2), OSHA 29 1910.1200, and the National Fire Protection Association List of Hazardous Substances.

### Hazard Specifications

KNOWN HAZARDS UNDER 29 CFR 1910.1200

|                         | YES | NO |                      | YES | NO |
|-------------------------|-----|----|----------------------|-----|----|
| COMBUSTIBLE LIQUID      | X   |    | SKIN HAZARD          | X   |    |
| FLAMMABLE MATERIAL      |     | X  | EYE HAZARD           | X   |    |
| PYROPHORIC MATERIAL     |     | X  | TOXIC AGENT          |     | X  |
| EXPLOSIVE MATERIAL      |     | X  | HIGHLY TOXIC AGENT   |     | X  |
| UNSTABLE MATERIAL       |     | X  | SENSITIZER           |     | X  |
| WATER REACTIVE MATERIAL |     | X  | CARCINOGEN           |     | X  |
| OXIDIZER                |     | X  | REPRODUCTIVE TOXIN   |     | X  |
| ORGANIC PEROXIDE        |     | X  | BLOOD TOXIN          |     | X  |
| CORROSIVE MATERIAL      |     | X  | NERVOUS SYSTEM TOXIN |     | X  |
| COMPRESSED GAS          |     | X  | LUNG TOXIN           |     | X  |
| IRRITANT                | X   |    | LIVER TOXIN          |     | X  |
|                         |     |    | KIDNEY TOXIN         |     | X  |

TLV= Not Established For Final Product

NFPA HAZARD SIGNAL

|             |                |
|-------------|----------------|
| HEALTH 1    | FLAMMABILITY 1 |
| STABILITY 0 | SPECIAL 0      |

DOT HAZARD CLASS: Petroleum Oil, N.O.S.

EPA HAZARD WASTE CLASS: Not Applicable

### III. PHYSICAL DATA

|  |  |
|--|--|
| BOILING POINT, 760 MM, Hg<br>NA                                | FREEZING POINT<br>NA                     |
| SPECIFIC GRAVITY<br>1.10 ± 0.015                               | VAPOR PRESSURE AT 20°C                   |
| VAPOR DENSITY (air=1)<br>NA                                    | SOLUBILITY IN WATER<br>Immiscible        |
| PERCENT VOLATILES BY VOLUME<br>At room temperature, negligible | EVAPORATION RATE (BUTYL ACETATE=1)<br>NA |
| APPEARANCE<br>Brown, clear liquid                              | ODOR<br>Mild, bland odor                 |

### IV. FIRE AND EXPLOSION HAZARD DATA

|                                    |   |
|------------------------------------|---|
| FLASH POINT<br>(test method)       | 425°F COC   |
| EXTINGUISHING MEDIA                | Water Fog, CO <sub>2</sub> , Chemical foam, dry chemicals, etc.   |
| SPECIAL FIRE FIGHTING PROCEDURES   | Use water to keep exposed containers cool and water spray to flush spills away for the exposure and disperse vapors.<br>Wear protective clothing and self respiratory unit. |
| UNUSUAL FIRE AND EXPLOSION HAZARDS | Incomplete combustion may result in carbon monoxide, sulfur oxides, etc.  |

### V. HEALTH HAZARD DATA

|                         |   |
|-------------------------|---|
| THRESHOLD LIMIT VALUE   | TLV for this product is not established. Refer to the Hazardous Materials List for individual ingredients TLV's |
| EFFECTS OF OVEREXPOSURE | NOTE: Data applies to the concentrate. Health Hazard Potential is reduced at use concentrations if applicable.  |
| INHALATION              | HEALTH HAZARD RATING<br>1<br>Inhalation of oil mist may cause respiratory difficulties.                         |
| SKIN CONTACT            | 1<br>Prolonged skin contact may cause irritation.   |
| SKIN ABSORPTION         | 0<br>Product will not be absorbed through the skin.   |
| EYE CONTACT             | 1<br>Direct contact may cause eye irritation.   |
| INGESTION               | 1<br>Ingestion of product may cause nausea or upset stomach.  |

### EMERGENCY AND FIRST AID PROCEDURES

|      |   |
|------|---|
| EYES | Immediately flush with plenty of water for at least 10 minutes. Get prompt medical attention.             |
| SKIN | Remove contaminated clothing and shoes. Wash them before reuse. Wash skin thoroughly with soap and water. |

|            |   |
|------------|---|
| INHALATION | Remove to fresh air.  |
| INGESTION  | Do not induce vomiting. Give water or milk to drink. Contact a physician. |

NOTES TO PHYSICIAN None

## VI. REACTIVITY DATA

|                          |  |
|--------------------------|--|
| STABILITY                | Stable   |
| INCOMPATIBILITY          | Strong oxidants, acids, alkaline materials, etc.                                       |
| CONDITIONS TO AVOID      | Heat, spark, open flame, etc.  |
| HAZARDOUS DECOMPOSITION  | Incomplete combustion may evolve oxides of carbon, sulfur, phosphorous, chlorine, etc. |
| HAZARDOUS POLYMERIZATION | Will not occur.  |

## VII. SPILL OR LEAK PROCEDURES

|  |   |
|--|---|
| STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED | Remove source of spill. Pick up uncontaminated liquid and return to the container.<br>Add absorbing material, sweep up and dispose as per regulations.                    |
| WASTE DISPOSAL METHOD                                | Since the product will be used with other industrial oils, follow the disposal regulations for finished lubricant.<br>Product can be incinerated at an approved facility. |

## VIII. SPECIAL PROTECTION INFORMATION

|                            |   |
|----------------------------|---|
| RESPIRATORY PROTECTION     | Normally not required. If oil mist exceeds 5mg/M <sup>3</sup> , use NIOSH approved mask |
| VENTILATION                | Local exhaust over working area   |
| HAND PROTECTION            | Oil Impervious Gloves   |
| EYE PROTECTION             | Goggles   |
| OTHER PROTECTIVE EQUIPMENT | Oil resistant apron and shoes.  |

## IX. SPECIAL PRECAUTIONS

|                                       |  |
|---------------------------------------|--|
| PRECAUTIONARY LABELING                | Petroleum Oil  |
| OTHER HANDLING AND STORAGE CONDITIONS | Do not get in eyes. Avoid prolonged or repeated skin contact or breathing of oil mist.<br>Store at moderate temperatures out of direct sun light, away from heat, open flames and spark. |

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