

## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**MANUFACTURER:** High Speed Lubricants International, LLC  
W248 N5899 Trapp Court  
Sussex, WI 53089

In case of emergency call: (262) 820-9851

Product Name: DLUB-9™  
Product Code: DLUB-9  
Chemical Name: SYNTHETIC HYDROCARBON-BASED LUBRICATING FLUID

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	TLV	PEL	Approx. Wt %
1-Decene, homopolymer, hydrogenated, mixture	Mixture	5 mg/m <sup>3</sup> (mist)	5 mg/m <sup>3</sup> (mist)	70.0 - 85.0

\*No ingredient in excess of 0.1% volume is listed as hazardous.

**Please Note:** *The chemical identity of some or all of the above ingredients is confidential business information and may be withheld as permitted by 29 CFR 1910.1200 and various State Right to Know Laws. Trade secret may apply. All components meet either FDA 21 CFR 178.3570 for incidental food contact, or are Generally Recognized As Safe (GRAS) per FDA 21 CFR 182.*

<b>HMIS Rating:</b>	<u>HEALTH</u> 0	<u>FLAMMABILITY</u> 1	<u>REACTIVITY</u> 0
<b>NFPA Rating:</b>	<u>HEALTH</u> 0	<u>FLAMMABILITY</u> 1	<u>REACTIVITY</u> 0

### 3. HAZARDS IDENTIFICATION

PRINCIPAL HAZARDS:  
WARNING: MAY CAUSE MINOR EYE IRRITATION

- See Section 11 for complete health hazard information.

### 4. FIRST AID MEASURES

EYE CONTACT: If splashed into the eyes, flush with clear water for 15 minutes. Get medical attention if irritation develops or persists.

SKIN CONTACT: Wash with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. Obtain medical advice if irritation occurs or persists.

**4. FIRST AID MEASURES (cont.)**

INGESTION: DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. If vomiting occurs, keep head below hips to reduce risk of aspiration. Give fluids again. Seek medical attention if health effects occur.

INHALATION: Remove exposed person to fresh air if adverse effects are observed. If irritation persists, seek medical attention.

**ADDITIONAL: Note to Physician: Treat symptomatically.**

**5. FIRE FIGHTING MEASURES**

FLAMMABLE PROPERTIES:

Flash Point (Typical):	482 °F (250 °C)
Method:	COC (ASTM D-92)
Upper Flammable Limit:	Not Determined
Lower Flammable Limit:	Not Determined
Autoignition Temperature:	Not Determined

Combustion Products: Thermal decomposition products may include toxic oxides of carbon, aldehydes and other products of incomplete combustion.

Extinguishing Media: Carbon dioxide, dry chemical, alcohol foam, and halon extinguishing agents.

Fighting Instructions: Recommend wearing self-contained breathing apparatus. Toxic fumes, gasables, or vapors may evolve on burning. Container may rupture on heating.

Explosion Data: Material does not have explosive properties.

**6. ACCIDENTAL RELEASE MEASURES**

SPILL: Residual liquid can be absorbed on inert material. This product is not considered to be a RCRA defined hazardous waste by characteristics or listings.

**7. HANDLING AND STORAGE**

HANDLING: Keep containers closed. Avoid contact with eyes, skin, or clothing. Wash hands after handling. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Use product with caution near heat, sparks, electricity and open flames.

STORAGE: Keep away from heat or flame.

**8. EXPOSURE CONTROL/PERSONAL PROTECTION**

ENGINEERING: General ventilation is sufficient to control vapors under ambient conditions.

RESPIRATORY: No special conditions required under ambient conditions and normal use.

SKIN: None required under normal use conditions.

EYE: None required under normal use conditions. Use splash goggles or face shield where splashing is expected or can occur.

EXPOSURE LIMITS: This product does not contain any components which have recognized exposure limits. However, a threshold limit value of 5.00 mg/m<sup>3</sup> is suggested for oil mist.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE:	Liquid
BOILING POINT:	Not Determined
FREEZING/MELTING POINT:	< -40°F (<-40°C)
VAPOR PRESSURE:	Less Than 0.01 mm Hg @ 68 °F (20 °C)
VAPOR DENSITY:	(Air = 1) Greater Than 5
SOLUBILITY IN WATER:	@ 1 Atm. and 77 °F (25 °C) Negligible
VOLATILITY (VOLUME):	Negligible from open container in 4 hours @ 100 °F (38 °C)
EVAPORATION RATE:	Not Determined
pH:	Essentially Neutral
ODOR:	Mild, Bland, Hydrocarbon Odor
APPEARANCE:	Water White, Transparent, Non-viscous Fluid

**10. STABILITY AND REACTIVITY**

CHEMICAL: Stable under moderately elevated temperatures and pressures.

INCOMPATIBILITY: Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite.

HAZARDOUS DECOMPOSITION OF PRODUCTS: None.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

**11. TOXICOLOGICAL INFORMATION**

Oral Toxicity: The LD<sub>50</sub> in rats is >5000 mg/kg. Based on data from components or similar material. Swallowing large amounts of material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, or abdominal pain.

Eye Irritation: Slight eye irritation. Based on data from components or similar material.

Skin Irritation: Not a primary skin irritant. Based on data from components or similar materials. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis.

Dermal Toxicity: The LD<sub>50</sub> in rabbits is >2000 mg/kg. Based on data from components or similar materials.

Inhalation Toxicity: No data available to indicate product or components may be a toxic inhalation hazard.

Respiration Irritation: If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract similar to that observed with mineral oil. Under good industrial hygiene practices where all exposure limits are observed, respiratory irritation is not a problem.

Dermal Sensitization: No data available to indicate product or components may be a skin sensitizer.

Inhalation Sensitization: No data available to indicate product or components may be respiratory sensitizers.

**-- CHRONIC EXPOSURE --**

Chronic Toxicity: No data available to indicate the product or its components present at greater than 1% are chronic health hazards.

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- Carcinogenicity: No data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.
- Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
- Reproductive Toxicity: No data available to indicate either product or components present at greater than 0.1% may cause reproductive toxicity.
- Teratogenicity: No data available to indicate either product or components present at greater than 0.1% may present a teratogenic hazard.

**12. ECOLOGICAL INFORMATION**

ECOTOXICOLOGICAL: There is no data available on the adverse effects of this material on the environment.

**13. DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL: Material, if disposed, is not expected to be hazardous waste. Consult federal, state, or local authorities for proper disposal and reporting procedures. All disposals must comply with federal, state and local regulations.

**14. TRANSPORTATION INFORMATION**

This product is not classified as hazardous material for DOT shipping.

**15. REGULATORY INFORMATION**

**U.S. FEDERAL REGULATIONS:**

OSHA: Not Applicable.

CERCLA: Not Applicable.

SARA (Section 313): Not Applicable.

SARA EXTREMELY HAZARDOUS LIST: This product does not contain greater than 0.1% of any chemical substance on the SARA Extremely Hazardous Substances list.

TSCA INVENTORY: All components of this material are on the U.S. TSCA Inventory.

OTHER TSCA REG: None.

CALIFORNIA PROP 65: This product does not contain any chemical known to the State of California to cause cancer.

**INTERNATIONAL REGULATIONS:**

CANADA: All components are in compliance with the Canadian Environmental Protection Act. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**16. OTHER INFORMATION**

The information and recommendations contained herein are, to the best of HSL's knowledge and belief, accurate and reliable as of the date issued. HSL makes no warranty or guarantee, expressed or implied, of

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their accuracy or reliability, and HSL shall not be liable for any loss or damage based upon the criteria supplied by the developers of these rating systems, together with HSL's interpretation of the available data.