

# MATERIAL SAFETY DATA SHEET



## Diamond 300 Special Base Oil

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Product Identification

**Product Name:** Diamond 300 Special Base Oil  
**Synonyms:** Hydrotreated paraffinic distillate, dewaxed  
**CAS Number:** 64742-65-0

#### Company Identification

Superior Lubricants Company, Inc.  
32 Ward Road  
North Tonawanda, NY 14120  
1-800-638-1887 (For product information)  
1-800-424-9300 (For emergencies)  
1-800-424-9300 or 1-703-527-3887 (CHEMTREC)

Hazard Rating	
	HMIS
<b>Health:</b>	1
<b>Flammability:</b>	0
<b>Reactivity:</b>	0
<b>Personal Protection:</b>	B

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS #</u>	<u>Percentage</u>
Petroleum Distillates, Solvent Dewaxed Heavy Paraffinic	64742-65-0	100

A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50. It produces finished oil with a viscosity near 100 SUS @ 100°F (22 cSt @ 40°C).

All components in the product have been identified.

<u>Ingredient</u>	<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>NIOSH REL</u>		<u>NIOSH</u>
	<u>TWA</u>	<u>STEL</u>	<u>TWA</u>	<u>STEL</u>	<u>TWA</u>	<u>STEL</u>	<u>IDLH</u>
Solvent Dewaxed Heavy Paraffinic Distillate (petroleum)	5 mg/m <sup>3</sup>	none estab.	5 mg/m <sup>3</sup>	none estab.	none estab.	none estab.	none estab.

### 3. TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid
<b>Appearance:</b>	Clear & bright
<b>Color:</b>	Pale or light amber
<b>Odor:</b>	Hydrocarbon
<b>Odor Threshold:</b>	Not available
<b>Vapor Pressure:</b>	Not applicable
<b>Vapor Density (Air=1):</b>	> 1
<b>Specific Gravity (H<sub>2</sub>O=1):</b>	0.86
<b>Water Solubility:</b>	Nil
<b>Boiling Point:</b>	700 - 860 °F
<b>Melting Point:</b>	Not determined
<b>% Volatile:</b>	Nil (LVP-VOC)
<b>Evaporation Rate:</b>	< 1 (butyl acetate = 1)
<b>pH:</b>	Not determined

## 4. FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point:</b>	= 424 °F (= 218 °C)
<b>Method Used:</b>	COC
<b>Autoignition Temperature:</b>	> 600 °F (> 315 °C)
<b>Flammable Limits:</b>	
<b>LFL:</b>	Not determined
<b>UFL:</b>	Not determined
<b>Flammability Classification:</b>	Not determined
<b>Extinguishing Media:</b>	Dry chemical, foam, carbon dioxide, water fog. Water may be ineffective in fighting an oil fire unless used by experienced fire fighters.
<b>Fire &amp; Explosion Hazards:</b>	Carbon monoxide and carbon dioxide. Decomposition of this product may yield oxides of sulfur and nitrogen. Decomposition of this product may yield oxides of phosphorus.
<b>Fire-Fighting Equipment:</b>	Do not point solid water stream directly into burning oil to avoid spreading. Wear full set of protective equipment including chemical goggles and gloves.

## 5. REACTIVITY DATA

<b>Chemical Stability:</b>	Stable
<b>Hazardous Polymerization:</b>	Hazard polymerization will not occur.
<b>Chemical Incompatibilities:</b>	This product may react with strong oxidizing agents.
<b>Conditions to Avoid: (Stability)</b>	High temperatures and open flame.
<b>Hazardous Decomposition Products:</b>	Carbon dioxide, carbon monoxide, oxides of sulfur and nitrogen.

## 6. ENVIRONMENTAL AND DISPOSAL INFORMATION

<b>Ecotoxicity:</b>	No information is available on ecotoxicity of this product. Keep product out of sewers and waterways.
<b>Environmental Fate:</b>	No information is available.

### U.S. EPA Waste Number & Descriptions:

A. General Product Information - Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA.

All waste must be handled in accordance with local, state and federal regulations.

B. Component Waste Numbers - No EPA Waste Numbers are applicable for this product's components.

**Disposal Instructions:** Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulation.

## 7. HEALTH HAZARD DATA

### Emergency Overview:

This product is a light amber liquid. It will burn at elevated temperatures (above 390°F). Extinguish fire with carbon dioxide, dry chemical, foam or water fog. Do not point solid water stream directly into burning oil to avoid spreading. Wear full set of protective equipment including chemical goggles and gloves.

<b>Primary Entry Routes:</b>	Skin
<b>Inhalation:</b>	Low vapor pressure makes inhalation unlikely at standard temperatures and pressures. Mist or vapors may irritate mucous membranes. Exposure to high concentrations of vapor may cause central nervous system depression.
<b>Eyes:</b>	This product may cause irritation to the eyes. Temporary redness or burning may occur.
<b>Skin:</b>	Prolonged or repeated contact with skin may cause mild irritation and possibly dermatitis.
<b>Ingestion:</b>	Low toxicity. Will have a laxative effect if swallowed.
<b>Carcinogenicity:</b>	Based on OSHA 1910.1200 and IARC study requirements, this product does not require labeling. Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346. NTP and OSHA do not list this product as a potential carcinogen.
<b>Mutagenicity:</b>	This product gives negative mutagenic results from Modified Ames Assay.
<b>Medical Conditions Aggravated by Long-Term Exposure:</b>	Personnel with pre-existing skin disorders should avoid contact with this product.

## 8. FIRST AID

<b>Eye Contact:</b>	Flush eyes with large amounts of water for 15 minutes. If eye irritation develops or persists get medical help.
<b>Skin Contact:</b>	Remove contaminated clothing. Wash affected area with a waterless hand cleaner, and/or soap and water. If irritation persists, consult a physician.
<b>Inhalation:</b>	Remove to fresh air. Get medical attention if symptoms persist.
<b>Aspiration:</b>	If there is any suspicion of aspiration into the lungs obtain medical advise.
<b>Ingestion:</b>	If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.
<b>Notes to Physician:</b>	This material, if aspirated into the lungs, may cause chemical pneumonitis; treat the affected person appropriately.

## 9. HANDLING PRECAUTIONS

<b>Procedures for Handling:</b>	Avoid getting this material into contact with your skin and eyes. Avoid the generation of oil mists. Wash hands after handling and before eating. Keep this product from heat, sparks, or open flame.
<b>Recommended Storage Methods:</b>	Keep the container tightly closed and in a cool, well-ventilated place. When using this material, do not eat, drink or smoke. Do not store this material in open or unlabeled containers. Store away from strong oxidizers.

## 10. ACCIDENTAL RELEASE MEASURES

<b>Containment Procedures:</b>	Contain the discharge material. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.
<b>Clean-Up Procedures:</b>	Absorb with inert absorbent such as dry clay, sand or diatomaceous earth. Scoop up used absorbent into drums. Dispose of spent absorbent in an approved industrial waste landfill. Do not allow the spilled product to enter public drainage system or open water courses. Thoroughly wash the area after a spill or leak clean-up.
<b>Evacuation Procedures:</b>	Isolate area. Keep unnecessary personnel away.
<b>Special Instructions:</b>	Wear appropriate protective equipment and clothing during clean-up. Surfaces may become slippery after spillage.
<b>Spill to Navigable Waters:</b>	If this material is spilled into navigable waters and creates a visible sheen, it is reportable to the National Response Center

## 11. TRANSPORTATION INFORMATION

<b>Proper Shipping Name:</b>	Not regulated as a hazardous material.
<b>Hazard Class:</b>	Not regulated
<b>DOT ID No.:</b>	Not regulated
<b>Packing Group:</b>	Not regulated
<b>DOT Shipping Label:</b>	None required
<b>Additional Shipping Information:</b>	Not regulated
<b>International Transportation Regulations:</b>	Not regulated as dangerous goods.

## 12. REGULATORY INFORMATION

### U.S. Federal Regulatory Information:

A. General Product Information - No additional information.

Component Information - None of this product's components are listed under SARA Section 302 (40 CFR 355 Appendix A),

SARA Section 313 (40 CFR 372.65) or CERCLA (40 CFR 302.4).

EPA/TSCA Inventory: The components of this product are listed under CAS No. 64742-65-0.

### State Regulations:

A. General Product Information - No components require labeling under California Proposition 65.

B. Component Information - None of this product's components are listed on the state lists from CA, FL, MA, MN, NJ, PA.

### Other Regulations:

A. General Product Information - No additional information.

B. Component Information - None of this product's components are listed on the Canadian Controlled Product Ingredient Disclosure List.

**Foreign Inventories:** The components of this product are listed under the following foreign inventories:  
European Union's EINICS No. 265-169-7, Korea's ECL No. KE-12602, Australia's AICS No. 64742-65-0  
Canada's DSL No. 64742-65-0.

### 13. ADDITIONAL INFORMATION

**Approval Date** .....: May 26, 2009, 2009  
**Supercedes Date** .....:New  
**RTN Number** .....: (Official Copy)

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**END of MSDS**