

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: DSL Synthetic 5W40 SM
Synonyms: Synthetic Diesel Engine Oil
CAS Number: Blend

Company Identification

Superior Lubricants Co.
32 Ward Road
North Tonawanda, New York 14120 USA
1-716-693-8412 (For product information)
1-800-424-9300 (For emergencies)
1-800-424-9300 or 1-703-527-3887 (CHEMTREC)

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0% DSL Synthetic 5W40 SM

CONTAINING:

HAZARDOUS AND/OR REGULATED COMPONENTS

Chemical Name	Amount	CAS Number
ZINC ALKYL DITHIOPHOSPHATE	< 5.0 %	Proprietary

NON-HAZARDOUS COMPONENTS

Chemical Name	Amount	CAS Number
HYDROGENATED DECENE HOMOPOLYMER	50.0 - 60.0 %	68037-01-4
NON-HAZARDOUS ADDITIVES	15.0 - 20.0 %	Proprietary

(See Section 8 for exposure guidelines) (See

Section 15 for regulatory information)

COMPOSITION COMMENT:

This product contains the following components required to be reported per the SARA Section 313: Zinc Compounds. Note: contains less than 1% as Zn.

HAZARDS DISCLOSURE

This product contains hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

3. HAZARDS IDENTIFICATION

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***** EMERGENCY OVERVIEW *****  
*                                                                           *  
*                               CAUTION *                               *  
*                                                                           *  
* Causes eye irritation. *                                           *  
*                                                                           *  
*****
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HMIS Rating - Health: 1 Flammability: 1 Reactivity: 0

POTENTIAL HEALTH EFFECTS

EYE:

Causes eye irritation.

SKIN:

Prolonged or repeated contact may cause skin irritation, local redness and swelling.

INHALATION:

High vapor concentrations are irritating to the eyes, nose, throat, and lungs.

INGESTION:

May be harmful if swallowed.

CHRONIC EFFECTS:

None reported.

CARCINOGENICITY INFORMATION:

None known.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

SKIN CONTACT FIRST AID:

Wash skin with plenty of soap and water while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists. Wash clothing separately before reuse.

INHALATION FIRST AID:

Remove to fresh air.

(section 4 continued)

If not breathing, give artificial respiration and contact a physician immediately.

INGESTION FIRST AID:

Do NOT induce vomiting, but give one or two glasses of water to drink and get immediate medical attention. Never give anything by mouth to an unconscious person.

NOTES TO PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: > 176.7 C (> 350.1 F)

Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR LEL:

N/A

UEL: N/A

EXTINGUISHING MEDIA:

Carbon dioxide, foam, or dry powder. Do not use water, because this product is oil based. Water may cause frothing.

FIRE & EXPLOSION HAZARDS:

Can burn in fire, releasing toxic vapors, fumes, and smoke.

FIRE FIGHTING INSTRUCTIONS:

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear.

COMBUSTION PRODUCTS:

Hazardous decomposition products are oxides of carbon and nitrogen including CO and CO2.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction.

INITIAL CONTAINMENT:

Absorb spills with inert material. Do not allow material to enter soil or surface water.

(section 6 continued)

LARGE SPILLS PROCEDURE:

Absorb spill with inert material (e g, dry sand or earth), then place in a chemical waste container. Do not flush to sewer.

SMALL SPILLS PROCEDURE:

Absorb spills with inert material.

MISCELLANEOUS:

Treat or dispose of in accordance with all federal, state, and local requirements. Incineration is preferred.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of. Wash hands thoroughly after handling.

HANDLING (PHYSICAL ASPECTS):

Secure container after each use. Store in a cool dry area.

Avoid contact with strong oxidizing agents.

STORAGE PRECAUTIONS:

Store in a cool dry place, in a tightly closed container. Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. TLV for mineral oil is 5 mg/cubic meter.

EYE / FACE PROTECTION REQUIREMENTS:

When splashing of the material may occur, chemical goggles and/or a face shield are recommended.

SKIN PROTECTION REQUIREMENTS:

Where contact is likely, wear chemical resistant gloves.

(section 8 continued)

RESPIRATORY PROTECTION REQUIREMENTS:

Under normal use conditions, with adequate ventilation, no special handling equipment is required. If mists are produced, local ventilation may be required to keep exposure below limits.

EXPOSURE GUIDELINES:

No Information Available.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid
COLOR: Amber
ODOR: Petroleum
VAPOR DENSITY: Heavier than air (Air = 1)
SOLUBILITY IN WATER ...: Nil
Bulk Density: 7.19 pounds per gallon @ 60 °F
PH: Not applicable
VISCOSITY: 13.0 cSt at 100 Deg C

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with strong oxidizing agents.

DECOMPOSITION:

In the case of a fire, oxides of carbon and zinc, hydrocarbons, fumes, and smoke may be produced. Hydrogen sulfide and alkyl mercaptans and sulfides may also be released.

11. TOXICOLOGICAL INFORMATION

MISCELLANEOUS:

Please contact supplier for toxicological information.

12. ECOLOGICAL INFORMATION

MISCELLANEOUS:

Please contact supplier for ecological information.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Avoid disposal into waste water treatment facilities. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements. This product, if discarded, is not considered a hazardous waste.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL : DSL Synthetic 5W40 SM
D.O.T. SHIPPING NAME ...: Not Regulated by DOT

15. REGULATORY INFORMATION

REGULATORY LISTS SEARCHED:

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|-----------------------------------|-----------------------------------|
| 01 = CANADIAN DISCLOSURE LIST | 02 = CERCLA Hazardous Substances |
| 03 = TITLE V OF THE CLEAN AIR ACT | 04 = SC Toxic Air Pollutants List |
| 05 = SARA TITLE III - SECTION 313 | 06 = SARA Title III - Section 312 |
| 07 = CA PROPOSITION 65 | 08 = RCRA Hazardous Substances |

No information available.

16. OTHER INFORMATION

REASON FOR ISSUE ...: NEW
APPROVAL DATE: September 17, 2007
SUPERCEDES DATE: New
RTN NUMBER: SL5W40FS (Official Copy)

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END OF MSDS

