

# MATERIAL SAFETY DATA SHEET

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

Product Name: DSL Synthetic 5w20 SM/GF-4  
Synonyms: Synthetic Passenger Car Motor Oil  
CAS Number: Blend

### Company Identification

Superior Lubricants Co., Inc  
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 5w20 SM/GF-4

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

```
***** EMERGENCY OVERVIEW *****
*
*          CAUTION *
*
* Causes eye irritation. *
*
*****
```

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  
SPECIFIC GRAVITY .....: Not Determined (Water = 1)  
PH .....: Not applicable  
VISCOSITY .....: 8.0 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 5w20  
SM/GF-4

D.O.T. SHIPPING NAME ...: Not Regulated by DOT

**15. REGULATORY INFORMATION**

**REGULATORY LISTS SEARCHED:**

- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| 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 ..... : 9/08/2007  
SUPERCEDES DATE ....: 9/08/2007  
RTN NUMBER .....: SL5W20FS (Official Copy)

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END OF MSDS

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