

# Safety Data Sheet

## Section 1 - Product and Company Identification

Product Name: EDL SAE 5W20

Product Code: 401010

Trade Name: Automotive Oil

**Benz Oil Company**  
2724 W. Hampton Ave.  
Milwaukee, WI 53209

### Telephone Numbers

During normal business hours call (414)442-2900

Outside normal business hours call CHEMTREC (800)424-9300

### Email Address

msds@benz.com

**Product Use:** Automotive Lubricant

**Not recommended for:** Applications other than those intended. For application information see product Technical Data Sheet or consult with a company representative.

## Section 2 - Hazards Identification

### Emergency Overview:

In accordance with good industrial hygiene and industrial practices. Airborne exposures should be controlled to the lowest extent possible. Do not ingest. Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation. Wash thoroughly after handling. Keep container closed.

**GHS Ratings:** This product is not hazardous according to OSHA CFR29 1910.1200

### GHS Hazards

### GHS Precautions

There are no GHS ratings that apply to this product at this time.

## Section 3 - Composition

\*Proprietary additive(s) listed only if considered hazardous per OSHA regulations, at a 1% or greater concentration (0.1% for carcinogens)\*

Chemical Name	CAS number	Weight Concentration %
Hydrotreated paraffinic base oil	64742-58-1	10.00 - 20.00
Petroleum distillates, solvent refined heavy paraffinic	64741-88-4	10.00 - 20.00
Residual Oils, solvent refined	64742-01-4	10.00 - 20.00
Residual oils, hydrotreated	64742-57-0	10.00 - 20.00
Residual oils, solvent dewaxed	64742-62-7	10.00 - 20.00
Lubricating oils, C.25, hydrotreated bright stock	72623-83-7	10.00 - 20.00
Heavy Naphthenic Hydrotreated Distillates	64742-52-5	1.00 - 5.00
Zinc alkyl dithiophosphate	68649-42-3	1.00 - 5.00

## Section 4 - First Aid Measures

### Inhalation:

Remove from further exposure. For those providing assistance, avoid exposure to yourself. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, a trained individual should attempt to resuscitate while getting immediate medical aid.

### Eye Contact:

Flush eyes with water for at least 15 minutes. If irritation occurs, seek medical attention.

### Skin Contact:

Prolonged or repeated contact may cause irritation. Good hygienic practices should be observed at all times. Wash exposed skin with soap and warm water.

### Ingestion:

First aid is not normally required. Seek medical attention if discomfort occurs. Do not induce vomiting unless directed to do so by medical personnel.

## Section 5 - Fire Fighting Measures

**Flash Point:** 193 C (379 F)

### Extinguishing Media:

Carbon Dioxide (CO<sub>2</sub>), dry chemical or foam. Water can be used to cool and protect exposed material.

### Unusual Fire Hazards:

Pressurized mists may form a flammable mixture.

### Products of Combustion:

Fumes, smoke, CO<sub>x</sub>, SO<sub>x</sub>, NO<sub>x</sub>, when combusted.

### Fire Fighting Instructions:

Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Fire fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water supply to cool fire exposed surfaces and to protect personnel.

## Section 6 - Accidental Release Measures

### Notification Procedures:

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. US regulations require reporting releases of this material (which exceed the applicable reportable quantity) into the environment, or oil spills which could reach any waterway (including intermittent dry creeks). The National Response Center can be reached at 1-800-424-8802.

### Spill Management:

Shut off source of leak if it is safe to do so. Dike and contain spill.

### Small Spills:

While wearing suitable personal protective equipment (PPE), absorb spill with clay, sand or other suitable material. Place in a non-leaking container and seal tightly for proper disposal.

### Large Spills:

Ventilate the contaminated area. Wearing suitable PPE, pump into salvage vessels. Dispose of collected material according to regulations.

## Section 7 - Handling and Storage

### Handling:

Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists of this product. Do not take internally. Use this product with adequate ventilation. Launder work clothes frequently.

### Storage:

Keep properly labeled container tightly closed, and in a cool, well-ventilated place away from incompatible materials.

Store away from heat, sparks and other ignition sources. Containers, even those have been emptied, can contain combustible vapors. Do not pressurize, cut, weld, drill or grind on or near containers. Do not reuse empty containers.

<b>Section 8 - Exposure Controls / Personal Protection</b>			
<b>Chemical Name / CAS No.</b>	<b>OSHA Exposure Limits</b>	<b>ACGIH Exposure Limits</b>	<b>Other Exposure Limits</b>
Hydrotreated paraffinic base oil 64742-58-1	TWA: 5mg/m3	TWA: 5 mg/m3 STEL: 10 mg/m3	Not Determined
Petroleum distillates, solvent refined heavy paraffinic 64741-88-4	TWA: 5 mg/m3	TWA: 5mg/m3 STEL: 10mg/m3	Not Determined
Residual Oils, solvent refined 64742-01-4	TWA: 5 mg/m3	TWA: 5mg/m3 STEL: 10mg/m3	Not Determined
Residual oils, hydrotreated 64742-57-0	TWA: 5 mg/m3	TWA: 5mg/m3 STEL: 10mg/m3	Not Determined
Residual oils, solvent dewaxed 64742-62-7	TWA: 5 mg/m3	TWA: 5mg/m3 STEL: 10mg/m3	Not Determined
Lubricating oils, C.25, hydrotreated bright stock 72623-83-7	TWA: 5 mg/m3	TWA: 5mg/m3 STEL: 10mg/m3	Not Determined
Heavy Naphthenic Hydrotreated Distillates 64742-52-5	PEL: 5 mg/m3	TLV: 5 mg/m3 (Inhalable)	Not Determined
Zinc alkyl dithiophosphate 68649-42-3	Not Determined	Not Determined	Not Determined

**Ventilation Control:**

Provide adequate ventilation to control airborne concentrations below the exposure guidelines/limits.

**Personal Protection:**

As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1910.132), employers must perform a Hazard Assessment of all workplaces to determine the need for proper protective equipment for each employee .

**Eye Protection:**

Normal industrial eye protection practices should be employed.

**Skin Protection:**

In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

**Respiratory:**

If airborne concentration limits are not met, a NIOSH approved respirator must be worn.

**Contaminated Gear:**

Soiled work clothing should be laundered or dry-cleaned.

**Section 9 - Physical and Chemical Properties**

Typical physical and chemical properties are given below. Consult the manufacturer in Section 1 for additional data.

<p><b>Appearance:</b> Amber Liquid</p> <p><b>Vapor Pressure:</b> No Data Available</p> <p><b>Vapor Density:</b> No Data Available</p> <p><b>Specific Gravity@60F</b> 0.9</p> <p><b>Freezing point:</b> No Data Available</p>	<p><b>Odor:</b> Petroleum Odor</p> <p><b>Odor threshold:</b> No Data Available</p> <p><b>pH:</b> Not Applicable</p> <p><b>Melting point:</b> No Data Available</p> <p><b>Solubility:</b> Negligible Solubility in Water</p>
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<p><b>Flash point:</b> 379 F,193 C</p> <p><b>Flammability:</b> No Data Available</p> <p><b>Partition coefficient (n-octanol/water):</b> No Data Available</p> <p><b>Decomposition temperature:</b> No Data Available</p> <p><b>Grams VOC less water:</b> No Data Available</p>	<p><b>Evaporation rate:</b> No Data Available</p> <p><b>Explosive Limits:</b> No Data Available</p> <p><b>Autoignition temperature:</b> No Data Available</p> <p><b>Viscosity@100C</b> 8 cSt</p>
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## Section 10 - Stability and Reactivity

### Stability:

Material is stable under normal conditions.

### Conditions to Avoid:

Excessive heat. High energy sources of ignition.

### Material to Avoid:

Strong oxidizers.

### Hazardous Decomposition Products:

This material does not decompose at ambient temperatures.

### Hazardous Polymerization:

Will not occur under normal circumstances.

## Section 11 - Toxicological Information

### Mixture Toxicity

Dermal Toxicity LD50: 3,669mg/kg

Inhalation Toxicity LC50: 12mg/L

### Component Toxicity

64742-58-1	Hydrotreated paraffinic base oil Oral LD50: >2,000 mg/kg (Rat) Dermal LD50: 4,480 mg/kg (Rabbit)
64741-88-4	Petroleum distillates, solvent refined heavy paraffinic Oral LD50: >5,000 mg/kg (Rat) Dermal LD50: >2,000 mg/kg (Rabbit)
64742-01-4	Residual Oils, solvent refined Oral LD50: >5,000 mg/kg (Rat) Dermal LD50: >2,000 mg/kg (Rabbit)
64742-62-7	Residual oils, solvent dewaxed Dermal LD50: >2,000 mg/kg (Rabbit) Inhalation LC50: 2 mg/L (Rat)
64742-52-5	Heavy Naphthenic Hydrotreated Distillates Dermal LD50: >2,000 mg/kg (Rabbit) Inhalation LC50: 6 mg/L (Rat)

If applicable, the ingredient(s) listed above are considered hazardous per OSHA 1910.1200. Included are the corresponding LD50 ratings, if available. Hazardous ingredients are required to be listed if they are used in the final product at a 1% (0.1% for carcinogens) or greater concentration.

**Routes of Entry:** Eye contact. Dermal contact. Inhalation. Ingestion.

**Target Organs:** None Known

## Section 12 - Ecological Information

**Ecotoxicity:**

No data available for this product.

**Section 13 - Disposal Considerations**

**Disposal Instructions:**

Refer to the latest US EPA, state and local regulations regarding proper disposal.

**Section 14 - Transport Information**

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Not Regulated	N/A	N/A	N/A

**Section 15 - Regulatory Information**

Prepared according to US OSHA 29CFR 1910.1200 regulations.

Additional regulatory listings, where applicable.

The following chemicals are listed under **SARA 311/312**:

- 68649-42-3 Zinc alkyl dithiophosphate
- 64742-52-5 Heavy Naphthenic Hydrotreated Distillates Acute, Chronic
- 64742-58-1 Hydrotreated paraffinic base oil Acute

The following chemicals are listed under **SARA 313**:

- 68649-42-3 Zinc alkyl dithiophosphate

**Toxic Substances Control Act (TSCA) Status:**

All components are listed on the EPA/TSCA Inventory of Chemical Substances unless listed below.

- None

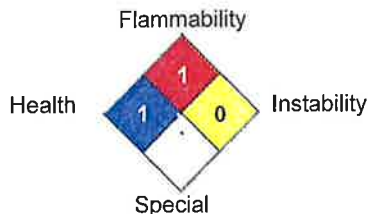
**Section 16 - Other Information**

**Hazardous Material Information System (HMIS)**

<b>HEALTH</b>	<input type="text" value="1"/>
<b>FLAMMABILITY</b>	<input type="text" value="1"/>
<b>PHYSICAL HAZARD</b>	<input type="text" value="0"/>
<b>PERSONAL PROTECTION</b>	<input type="text"/>

**HMIS & NFPA Hazard Rating Legend**  
 \* = Chronic Health Hazard  
 0 = INSIGNIFICANT  
 1 = SLIGHT  
 2 = MODERATE  
 3 = HIGH

**National Fire Protection Association (NFPA)**



Date Prepared: 5/15/2015

Benz Oil Company has taken all reasonable steps to insure this data sheet and the information contained in it is accurate as of the date issued. No warranty is made as to the accuracy or completeness of the information in this data sheet. The information stated on this MSDS applies only to the intended applications. Do not use this product for any application other than the intended application.

Employers are responsible for communicating any hazards and precautions described in this sheet.