



# SAE 80W-90 Gear Oil

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Issue date: 05/01/2025 Revision date: 07/01/2026 Supersedes: 05/22/2026 Version: 5.1

### SECTION 1 Identification

#### 1.1. GHS Product identifier

Product form : Mixture  
Product name : SAE 80W-90 Gear Oil  
Type of product : Lubricating oil  
Part Number : 20043

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Lubricating oil

#### 1.4. Supplier's details

Lucas Oil Products, Inc.  
3199 Harrison Way NW  
Corydon, IN 47112  
USA  
T 800-342-2512  
[sds@lucasoil.com](mailto:sds@lucasoil.com) - [www.LucasOil.com](http://www.LucasOil.com)

#### 1.5. Emergency phone number

Emergency number : For Chemical Emergency Call ChemTel 24hr/day 7days/week. Within USA, Canada, Puerto Rico & US Virgin Islands: 1-800-255-3924. International: 1-813-248-0585 (collect calls accepted). Australia: 1-300-954-583. Brazil: 0-800-591-6042. China: 400-120-0751. India: 000-800-100-4086. Mexico: 800-099-0731.

### SECTION 2 Hazard identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS CA)

|                                                                  |      |                                                         |
|------------------------------------------------------------------|------|---------------------------------------------------------|
| Hazardous to the aquatic environment, Acute Hazard, Category 3   | H402 | Harmful to aquatic life.                                |
| Hazardous to the aquatic environment, Chronic Hazard, Category 4 | H413 | May cause long lasting harmful effects to aquatic life. |

Full text of H-statements: see section 16

#### 2.2. GHS label elements, including precautionary statements

##### GHS CA labelling

|                                   |                                                                                                                                                                                                                          |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard statements (GHS CA)        | : H402 - Harmful to aquatic life<br>H413 - May cause long lasting harmful effects to aquatic life                                                                                                                        |
| Precautionary statements (GHS CA) | : P273 - Avoid release to the environment.<br>P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations. |

#### 2.3. Other hazards which do not result in classification

No additional information available

# SAE 80W-90 Gear Oil

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

### SECTION 3 Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name                                                   | Chemical name / Synonyms                                                                                      | Product identifier      | %        | Classification (GHS CA)                       |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------|----------|-----------------------------------------------|
| Distillates (petroleum), hydrotreated heavy paraffinic | Distillates (petroleum), hydrotreated heavy paraffinic distillates (petroleum), hydrotreated heavy paraffinic | CAS-No.: 64742-54-7     | 65 - 85* | Asp. Tox. 1, H304<br>Aquatic Chronic 4, H413  |
| Sulfurized olefin                                      | -                                                                                                             | CAS-No.:<br>Undisclosed | 1 - 5*   | Flam. Liq. 4, H227<br>Aquatic Chronic 4, H413 |

\*Chemical name, CAS number and/or exact concentration have been withheld as CBI

\*Contains fixed concentration

### SECTION 4 First-aid measures

#### 4.1. Description of necessary first-aid measures

|                                       |                                                                                   |
|---------------------------------------|-----------------------------------------------------------------------------------|
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.                  |
| First-aid measures after skin contact | : Wash skin with plenty of water.                                                 |
| First-aid measures after eye contact  | : Rinse eyes with water as a precaution.                                          |
| First-aid measures after ingestion    | : Call a poison center or a doctor if you feel unwell.                            |
| First-aid measures general            | : If you feel unwell, seek medical advice.                                        |
| Self protection of the first-aiders   | : First aid workers will be equipped with suitable personal protective equipment. |

#### 4.2. Most important symptoms/effects, acute and delayed

|                                     |                                 |
|-------------------------------------|---------------------------------|
| Symptoms/effects after inhalation   | : None under normal conditions. |
| Symptoms/effects after skin contact | : None under normal conditions. |
| Symptoms/effects after eye contact  | : None under normal conditions. |
| Symptoms/effects after ingestion    | : None under normal conditions. |

#### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

|                                   |                          |
|-----------------------------------|--------------------------|
| Other medical advice or treatment | : Treat symptomatically. |
|-----------------------------------|--------------------------|

### SECTION 5 Fire-fighting measures

#### 5.1. Suitable extinguishing media

|                                |                                                  |
|--------------------------------|--------------------------------------------------|
| Suitable extinguishing media   | : Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.               |

#### 5.2. Specific hazards arising from the chemical

|                  |                               |
|------------------|-------------------------------|
| Fire hazard      | : No fire hazard.             |
| Explosion hazard | : No direct explosion hazard. |

# SAE 80W-90 Gear Oil

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Special protective actions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6 Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

Environmental precautions : Avoid release to the environment.

### 6.2. Methods and materials for containment and cleaning up

For containment : Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

For further information refer to section 13.

## SECTION 7 Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Keep cool. Protect from sunlight.

Packaging materials : Always store product in container of same material as original container.

## SECTION 8 Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures, such as personal protective equipment (PPE)

#### Personal protective equipment:

Wear recommended personal protective equipment.

#### Hand protection:

Protective gloves

# SAE 80W-90 Gear Oil

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

### Eye protection:

Safety glasses

### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### Personal protective equipment symbol(s):



## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

|                                                 |                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Physical state                                  | : Liquid                                                                                                                                                                                                                                                                                                |
| Appearance                                      | : No data available                                                                                                                                                                                                                                                                                     |
| Colour                                          | : Mixture contains one or more component(s) which have the following colour(s):<br>Colourless Colourless to light yellow                                                                                                                                                                                |
| Odour                                           | : There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure.<br>Mixture contains one or more component(s) which have the following odour:<br>Characteristic odour Petroleum-like odour Sweet odour Aromatic odour Irritating/pungent odour<br>Pleasant odour |
| Odour threshold                                 | : No data available                                                                                                                                                                                                                                                                                     |
| pH                                              | : No data available                                                                                                                                                                                                                                                                                     |
| Relative evaporation rate (butylacetate=1)      | : No data available                                                                                                                                                                                                                                                                                     |
| Relative evaporation rate (ether=1)             | : No data available                                                                                                                                                                                                                                                                                     |
| Melting point                                   | : Not applicable                                                                                                                                                                                                                                                                                        |
| Freezing point                                  | : No data available                                                                                                                                                                                                                                                                                     |
| Boiling point                                   | : No data available                                                                                                                                                                                                                                                                                     |
| Flash point                                     | : > 200 °C                                                                                                                                                                                                                                                                                              |
| Auto-ignition temperature                       | : No data available                                                                                                                                                                                                                                                                                     |
| Decomposition temperature                       | : No data available                                                                                                                                                                                                                                                                                     |
| Flammability (solid, gas)                       | : Not applicable                                                                                                                                                                                                                                                                                        |
| Vapour pressure                                 | : No data available                                                                                                                                                                                                                                                                                     |
| Relative vapour density at 20°C                 | : No data available                                                                                                                                                                                                                                                                                     |
| Relative density                                | : 0.879                                                                                                                                                                                                                                                                                                 |
| Density                                         | : 7.342 lb/gal                                                                                                                                                                                                                                                                                          |
| Solubility                                      | : No data available                                                                                                                                                                                                                                                                                     |
| Partition coefficient n-octanol/water (Log Pow) | : No data available                                                                                                                                                                                                                                                                                     |
| Viscosity, kinematic                            | : 165.2 mm²/s @ 40 ° C                                                                                                                                                                                                                                                                                  |
| Explosive limits                                | : No data available                                                                                                                                                                                                                                                                                     |
| Particle characteristics                        | : No data available                                                                                                                                                                                                                                                                                     |

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

# SAE 80W-90 Gear Oil

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

### SECTION 10 Stability and reactivity

|                                    |                                                                                                        |
|------------------------------------|--------------------------------------------------------------------------------------------------------|
| Reactivity                         | : The product is non-reactive under normal conditions of use, storage and transport.                   |
| Chemical stability                 | : Stable under normal conditions.                                                                      |
| Possibility of hazardous reactions | : No dangerous reactions known under normal conditions of use.                                         |
| Conditions to avoid                | : None under recommended storage and handling conditions (see section 7).                              |
| Incompatible materials             | : No additional information available                                                                  |
| Hazardous decomposition products   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Hardening time:                    | : No additional information available                                                                  |

### SECTION 11 Toxicological information

#### 11.1. Likely routes of exposure

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

#### Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

|                    |                             |
|--------------------|-----------------------------|
| LD50 dermal rabbit | > 5000 mg/kg Source: IUCLID |
|--------------------|-----------------------------|

|                                   |                  |
|-----------------------------------|------------------|
| Skin corrosion/irritation         | : Not classified |
| Serious eye damage/irritation     | : Not classified |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity            | : Not classified |
| Carcinogenicity                   | : Not classified |
| Reproductive toxicity             | : Not classified |
| STOT-single exposure              | : Not classified |
| STOT-repeated exposure            | : Not classified |

#### Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

|                                                  |                                                                                                                                         |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| LOAEL (oral, rat, 90 days)                       | 125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| NOAEC (inhalation, rat, dust/mist/fume, 90 days) | > 0.98 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)                                 |

|                   |                   |
|-------------------|-------------------|
| Aspiration hazard | : Not classified. |
|-------------------|-------------------|

#### SAE 80W-90 Gear Oil

|                      |                                   |
|----------------------|-----------------------------------|
| Viscosity, kinematic | 165.2 mm <sup>2</sup> /s @ 40 ° C |
|----------------------|-----------------------------------|

#### Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

|                                              |                       |
|----------------------------------------------|-----------------------|
| Viscosity, kinematic                         | 18 mm <sup>2</sup> /s |
| Hydrocarbon                                  | Yes                   |
| Aliphatic, alicyclic or aromatic hydrocarbon | Yes                   |

|                                     |                                 |
|-------------------------------------|---------------------------------|
| Symptoms/effects after inhalation   | : None under normal conditions. |
| Symptoms/effects after skin contact | : None under normal conditions. |
| Symptoms/effects after eye contact  | : None under normal conditions. |
| Symptoms/effects after ingestion    | : None under normal conditions. |

# SAE 80W-90 Gear Oil

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

### SECTION 12 Ecological information

#### 12.1. Toxicity

Ecology - general : Harmful to aquatic life. May cause long lasting harmful effects to aquatic life.  
Hazardous to the aquatic environment, short-term (acute) : Harmful to aquatic life.  
Hazardous to the aquatic environment, long-term (chronic) : May cause long lasting harmful effects to aquatic life.

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) |                            |
|---------------------------------------------------------------------|----------------------------|
| LC50 - Fish [1]                                                     | > 5000 mg/l                |
| EC50 - Crustacea [1]                                                | > 1000 mg/l Source: IUCLID |
| EC50 96h - Algae [1]                                                | > 1000 mg/l Source: IUCLID |

#### 12.2. Persistence and degradability

| SAE 80W-90 Gear Oil                                                 |                        |
|---------------------------------------------------------------------|------------------------|
| Persistence and degradability                                       | Not rapidly degradable |
| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) |                        |
| Persistence and degradability                                       | Not rapidly degradable |
| Sulfurized olefin (Undisclosed)                                     |                        |
| Persistence and degradability                                       | Not rapidly degradable |

#### 12.3. Bioaccumulative potential

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) |                        |
|---------------------------------------------------------------------|------------------------|
| Partition coefficient n-octanol/water (Log Pow)                     | 3.9 – 6 Source: IUCLID |

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Ozone : Not classified  
Fluorinated greenhouse gases : No

### SECTION 13 Disposal considerations

Regional waste regulation : Disposal must be done according to official regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Sewage disposal recommendations : Disposal must be done according to official regulations.  
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.  
Additional information : Do not re-use empty containers.  
Ecological waste information : The waste of the product should be considered as hazardous as the product itself, with the likelihood of impacting the environment in the same way. Consider the handling and disposal of the waste as defined by the product itself.

### SECTION 14 Transport information

In accordance with TDG / DOT / IMDG / IATA

# SAE 80W-90 Gear Oil

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

| TDG                                       | DOT           | IMDG          | IATA          |
|-------------------------------------------|---------------|---------------|---------------|
| <b>14.1. UN Number</b>                    |               |               |               |
| Not regulated for transport               |               |               |               |
| <b>14.2. UN Proper Shipping Name</b>      |               |               |               |
| Not regulated                             | Not regulated | Not regulated | Not regulated |
| <b>14.3. Transport hazard class(es)</b>   |               |               |               |
| Not regulated                             | Not regulated | Not regulated | Not regulated |
| <b>14.4. Packing group, if applicable</b> |               |               |               |
| Not regulated                             | Not regulated | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>        |               |               |               |
| Not regulated                             | Not regulated | Not regulated | Not regulated |
| No supplementary information available    |               |               |               |

### 14.6. Special precautions for user

#### TDG

Not regulated

#### DOT

Not regulated

#### IMDG

Not regulated

#### IATA

Not regulated

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78<sup>9</sup> and the IBC Code<sup>10</sup>

Not applicable

## SECTION 15 Regulatory information

### Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

Listed on the Canadian DSL (Domestic Substances List)

### SAE 80W-90 Gear Oil

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

### Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### Sulfurized olefin (Undisclosed)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

# SAE 80W-90 Gear Oil

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

### SECTION 16 Other Information

Issue date : 05/01/2025  
Revision date : 07/01/2026  
Supersedes : 05/22/2026

#### Full text of hazard classes and H-statements:

|      |                                                        |
|------|--------------------------------------------------------|
| H227 | Combustible liquid                                     |
| H304 | May be fatal if swallowed and enters airways           |
| H402 | Harmful to aquatic life                                |
| H413 | May cause long lasting harmful effects to aquatic life |

Safety Data Sheet (SDS), Canada

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.