SECTION 1: Identification

1.1. Identification
Product form: Mixture
Product name: DTL Gear Oil SAE 80W-90, DTL Gear Oil SAE 85W-140

1.2. Recommended use and restrictions on use
Use of the substance/mixture: Lubricant
Restrictions on use: No additional information available

1.3. Supplier
D-A Lubricant Company, Inc.
801 Edwards Dr
Lebanon, IN 46052
T 317-923-5321, Toll Free 1-800-873-2582
www.dalube.com

1.4. Emergency telephone number
Emergency number: 1-800-899-9004 Toll-Free USA/CAN 24 hours

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture
GHS classification
Not classified

2.2. GHS Label elements, including precautionary statements
GHS labelling
No labelling applicable

2.3. Other hazards which do not result in classification
No additional information available

2.4. Unknown acute toxicity (GHS_US)
Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated heavy paraffinic (DMSO &lt; 3%)</td>
<td>(CAS-No.) 64742-54-7</td>
<td>0 - 40</td>
<td>Asp. Tox. 1, H304</td>
</tr>
<tr>
<td>Long-chain alkyl amine</td>
<td>(CAS-No.) trade secret</td>
<td>0.1 - 0.9</td>
<td>Acute Tox. 4 (Oral), H302</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 3 (Dermal), H311</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 2 (Inhalation), H330</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Corr. 1B, H314</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Sens. 1, H317</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Acute 1, H400</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic 1, H410</td>
</tr>
</tbody>
</table>

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret
Full text of hazard classes and H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures
First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if necessary.
First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin thoroughly with mild soap and water.

First-aid measures after eye contact: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation: Inhalation of vapours may cause respiratory irritation.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media


Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard: Burning produces irritating, toxic and noxious fumes.

Reactivity: No dangerous reactions known.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Wear fire/flame resistant/retardant clothing. Wear recommended personal protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Avoid all eye and skin contact and do not breathe vapour and mist. Use personal protective equipment as required.

6.1.1. For non-emergency personnel

Protective equipment: Refer to section 8.2.

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Refer to section 8.2.

Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. On land, sweep or shovel into suitable containers. Collect spillage. Minimise generation of dust. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures: Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep only in the original container in a cool well ventilated place.
SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7) |
|----------------------------------|------------------|------------------|
| ACGIH | ACGIH TWA (mg/m³) | 5 mg/m³ |
| ACGIH | ACGIH STEL (mg/m³) | 10 mg/m³ |
| OSHA | OSHA PEL (TWA) (mg/m³) | 5 mg/m³ |

New chain alkyl amine (trade secret)
Not applicable

8.2. Appropriate engineering controls

Appropriate engineering controls: Avoid creating mist or spray. Avoid splashing. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide local exhaust or general room ventilation.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:
Avoid all unnecessary exposure.

Hand protection:
Wear suitable gloves resistant to chemical penetration. nitrile rubber gloves. natural rubber gloves

Eye protection:
Chemical goggles or safety glasses

Respiratory protection:
In case of inadequate ventilation wear respiratory protection. Use an approved respirator equipped with oil/mist cartridges.

Other information:
Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>Dark</td>
</tr>
<tr>
<td>Odour</td>
<td>petroleum</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 223 °C</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Non flammable.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
</tbody>
</table>
DTL Gear Oil SAE 80W-90, DTL Gear Oil SAE 85W-140

Safety Data Sheet

Decomposition temperature: No data available
Viscosity, kinematic: 143 - 342 mm²/s @ 40°C
Viscosity, dynamic: No data available
Explosive limits: No data available
Explosive properties: No data available
Oxidising properties: No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
No dangerous reactions known.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
Hazardous polymerization will not occur.

10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

10.6. Hazardous decomposition products
Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

| Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7) |
|---------------------------------|-----------------|
| LD50 oral rat                   | > 5000 mg/kg    |
| LD50 dermal rabbit              | > 2000 mg/kg    |
| LC50 inhalation rat (mg/l)      | > 5.53 mg/l/4h  |

<table>
<thead>
<tr>
<th>Long-chain alkyl amine (trade secret)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
</tr>
<tr>
<td>LC50 inhalation rat (ppm)</td>
</tr>
<tr>
<td>ATE (oral)</td>
</tr>
<tr>
<td>ATE (dermal)</td>
</tr>
<tr>
<td>ATE (gases)</td>
</tr>
<tr>
<td>ATE (vapours)</td>
</tr>
<tr>
<td>ATE (dust,mist)</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified. (Long-chain alkyl amine not sensitizing <1.5%)
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

10/01/2019 EN (English)
DTL Gear Oil SAE 80W-90, DTL Gear Oil SAE 85W-140
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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Viscosity, kinematic: 143 - 342 mm²/s @ 40°C
Likely routes of exposure: Inhalation. Skin and eye contact.
Symptoms/effects after inhalation: Inhalation of vapours may cause respiratory irritation.

SECTION 12: Ecological information

12.1. Toxicity

| Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7) |
|---------------------------------|---------------------------------|
| EC50 crustacea                  | > 10000 mg/l                    |

12.2. Persistence and degradability

| DTL Gear Oil SAE 80W-90, DTL Gear Oil SAE 85W-140 |
|---------------------------------|---------------------------------|
| Persistence and degradability  | Not established.                |

12.3. Bioaccumulative potential

| DTL Gear Oil SAE 80W-90, DTL Gear Oil SAE 85W-140 |
|---------------------------------|---------------------------------|
| Bioaccumulative potential       | Not established.                |

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

<table>
<thead>
<tr>
<th>Sewage disposal recommendations</th>
<th>Do not dispose of waste into sewer.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste disposal recommendations</td>
<td>Dispose in a safe manner in accordance with local/national regulations.</td>
</tr>
<tr>
<td>Ecology - waste materials</td>
<td>Avoid release to the environment.</td>
</tr>
</tbody>
</table>

SECTION 14: Transport information

Department of Transportation (DOT)
In accordance with DOT
Not regulated.

Transport by sea
Not regulated.

Air transport
Not regulated.

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

CANADA

| Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7) |
|---------------------------------|---------------------------------|
| Listed on the Canadian DSL (Domestic Substances List) inventory.               |

<table>
<thead>
<tr>
<th>Long-chain alkyl amine (trade secret)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on the Canadian DSL (Domestic Substances List) inventory.</td>
</tr>
</tbody>
</table>

EU Regulations
**DTL Gear Oil SAE 80W-90, DTL Gear Oil SAE 85W-140**

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### Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7)
- Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### Long-chain alkyl amine (trade secret)
- Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### National regulations

#### Distillates (petroleum), hydrotreated heavy paraffinic (DMSO < 3%) (64742-54-7)
- Listed on the AICS (Australian Inventory of Chemical Substances)
- Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
- Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
- Listed on KECI (Korean Existing Chemicals Inventory)
- Listed on the TCSI (Taiwan Chemical Substance Inventory)
- Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
- Listed on NZIoC (New Zealand Inventory of Chemicals)

#### Long-chain alkyl amine (trade secret)
- Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
- Listed on KECI (Korean Existing Chemicals Inventory)
- Listed on NZIoC (New Zealand Inventory of Chemicals)
- Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
- Listed on Taiwan National Chemical Inventory
- Listed on the AICS (Australian Inventory of Chemical Substances)
- Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

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**15.3. US State regulations**

**WARNING:** This product can expose you to Ethylene oxide, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

<table>
<thead>
<tr>
<th>Component</th>
<th>Carcinogenicity</th>
<th>Developmental toxicity</th>
<th>Reproductive toxicity male</th>
<th>Reproductive toxicity female</th>
<th>No significant risk level (NSRL)</th>
<th>Maximum allowable dose level (MADL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl acrylate(140-88-5)</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td>not determined</td>
<td></td>
</tr>
<tr>
<td>Ethylene oxide(75-21-8)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>2 µg/day</td>
<td>20 µg/day</td>
</tr>
<tr>
<td>Propylene oxide(75-56-9)</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,4-dioxane(123-91-1)</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td>30 µg/day</td>
<td></td>
</tr>
</tbody>
</table>

---

**SECTION 16: Other information**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 09/01/2019


Other information : None.

Full text of H-statements:

- **H302** Harmful if swallowed.
- **H304** May be fatal if swallowed and enters airways.
- **H311** Toxic in contact with skin.
- **H314** Causes severe skin burns and eye damage.
- **H317** May cause an allergic skin reaction.
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<table>
<thead>
<tr>
<th>H330</th>
<th>Fatal if inhaled.</th>
</tr>
</thead>
<tbody>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life.</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

Abbreviations and acronyms:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATE</td>
<td>Acute Toxicity Estimate</td>
</tr>
<tr>
<td>CAS (Chemical Abstracts Service) number</td>
<td></td>
</tr>
<tr>
<td>EC50</td>
<td>Environmental Concentration associated with a response by 50% of the test population.</td>
</tr>
<tr>
<td>GHS</td>
<td>Globally Harmonized System (of Classification and Labeling of Chemicals).</td>
</tr>
<tr>
<td>LD50</td>
<td>Lethal Dose for 50% of the test population</td>
</tr>
<tr>
<td>STEL</td>
<td>Short Term Exposure Limits</td>
</tr>
<tr>
<td>TSCA</td>
<td>Toxic Substances Control Act</td>
</tr>
<tr>
<td>TWA</td>
<td>Time Weighted Average</td>
</tr>
<tr>
<td>WEL</td>
<td>Workplace Exposure Limit</td>
</tr>
</tbody>
</table>

NFPA health hazard: 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard: 1 - Materials that must be preheated before ignition can occur.

NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and not reactive with water.

Indication of changes:
Composition/information on ingredients. Classification.

SDS prepared by The Redstone Group
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[www.redstonegrp.com](http://www.redstonegrp.com)

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.