1. Identification

Product identifier: Starbrite Hypoid 90W Lower Unit Gear Lube
Other means of identification:
- Product code: 271XX
- Recommended use: Lubricant.
- Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information
- Company name: Star brite Inc.
- Address: 4041 SW 47th Avenue, Fort Lauderdale, FL 33314 US
- Telephone: General Information: (954) 587-6280
- E-mail: Not available.
- Contact person: Vincent Waclawek
- Emergency phone number: 24-Hour Emergency: CHEMTREC: (703) 527-3887 or (800) 424-9300

2. Hazard(s) identification

Physical hazards: Not classified.
Health hazards: Not classified.
OSHA defined hazards: Not classified.

Label elements
- Hazard symbol: None.
- Signal word: None.
- Hazard statement: None.

Precautionary statement
- Prevention: Observe good industrial hygiene practices.
- Response: Wash thoroughly after handling.
- Storage: Store away from incompatible materials.
- Disposal: Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC): None known.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated heavy paraffinic</td>
<td>64742-54-7</td>
<td>0 - 89</td>
</tr>
<tr>
<td>Distillates, petroleum, hydrotreated light paraffinic</td>
<td>64742-55-8</td>
<td>0 - 89</td>
</tr>
<tr>
<td>Long-chain alkyl amine</td>
<td>Proprietary</td>
<td>&lt;0.3</td>
</tr>
</tbody>
</table>

4. First-aid measures

Inhalation: If symptomatic, move to fresh air. Get medical attention if symptoms persist.
Skin contact: Wash with soap and water. Get medical attention if irritation persists after washing.
Eye contact: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms persist.
Ingestion
Seek medical advice. Direct contact with skin and eyes may cause irritation.

Most important symptoms/effects, acute and delayed
Indication of immediate medical attention and special treatment needed
Treat symptomatically.

5. Fire-fighting measures
Suitable extinguishing media
Carbon dioxide (CO2). Foam. Dry chemical. Water fog.

Unsuitable extinguishing media
None known.

Specific hazards arising from the chemical
Self-contained breathing apparatus, operated in positive pressure mode and full protective clothing must be worn in case of fire.

Special protective equipment and precautions for firefighters
Move containers from fire area if you can do so without risk.

Fire-fighting equipment/instructions
Use water spray to cool unopened containers.

6. Accidental release measures
Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation. In case of spills, beware of slippery floors and surfaces. Wear shoes with non-slip soles. Wear protective clothing as described in Section 8 of this safety data sheet.

Methods and materials for containment and cleaning up
Stop the flow of material, if this is without risk. Prevent entry into waterways, sewers, basements or confined areas. Dike the spilled material, where this is possible. Clean surface thoroughly to remove residual contamination.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece).

Large Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Never return spills to original containers for re-use.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not contaminate water.

7. Handling and storage
Precautions for safe handling
Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation. Wash thoroughly after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities
Keep container closed.

8. Exposure controls/personal protection
Occupational exposure limits
US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)</td>
<td>PEL</td>
<td>5 mg/m3</td>
<td>Mist.</td>
</tr>
<tr>
<td>Distillates, petroleum, hydrotreated light paraffinic (CAS 64742-55-8)</td>
<td>PEL</td>
<td>5 mg/m3</td>
<td>Mist.</td>
</tr>
</tbody>
</table>

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)</td>
<td>TWA</td>
<td>5 mg/m3</td>
<td>Inhalable fraction.</td>
</tr>
<tr>
<td>Distillates, petroleum, hydrotreated light paraffinic (CAS 64742-55-8)</td>
<td>TWA</td>
<td>5 mg/m3</td>
<td>Inhalable fraction.</td>
</tr>
</tbody>
</table>
US. NIOSH: Pocket Guide to Chemical Hazards

Components | Type | Value | Form |
---|---|---|---|
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7) | STEL | 10 mg/m³ | Mist. |
Distillates, petroleum, hydrotreated light paraffinic (CAS 64742-55-8) | STEL | 10 mg/m³ | Mist. |
\[ \text{TWA} \] | 5 mg/m³ | Mist. |
\[ \text{TWA} \] | 5 mg/m³ | Mist. |

**Biological limit values**
No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls**
Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**
Use approved safety goggles or face shield.

**Skin protection**

**Hand protection**
Wear appropriate chemical resistant gloves.

**Other**
Wear suitable protective clothing.

**Respiratory protection**
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Thermal hazards**
Not available.

**General hygiene considerations**
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and chemical properties**

**Appearance**
Green liquid.

**Physical state**
Liquid.

**Form**
Liquid.

**Color**
Green.

**Odor**
Petroleum.

**Odor threshold**
Not available.

**pH**
Not available.

**Melting point/freezing point**
Not available.

**Initial boiling point and boiling range**
> 212 °F (> 100 °C)

**Flash point**
350.6 °F (177.0 °C) Pensky-Martens Closed Cup

**Evaporation rate**
No data available.

**Flammability (solid, gas)**
Not available.

**Upper/lower flammability or explosive limits**

**Flammability limit - lower ( %)**
No data available.

**Flammability limit - upper ( %)**
No data available.

**Explosive limit - lower (%)**
Not available.

**Explosive limit - upper (%)**
Not available.

**Vapor pressure**
No data available.

**Vapor density**
No data available.

**Relative density**
0.87 (25°C)

**Solubility(ies)**
Insoluble.

**Partition coefficient (n-octanol/water)**
Not available.

**Auto-ignition temperature**
> 840.2 °F (> 449 °C)
Decomposition temperature
Not available.
Viscosity
40 mm²/s

10. Stability and reactivity
Reactivity
The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability
Material is stable under normal conditions.
Possibility of hazardous reactions
Hazardous polymerization does not occur.
Conditions to avoid
Contact with incompatible materials.
Incompatible materials
Strong oxidizing agents.
Hazardous decomposition products
No hazardous decomposition products are known.

11. Toxicological information
Information on likely routes of exposure
Ingestion
No harmful effects expected in amounts likely to be ingested by accident.
Inhalation
Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin contact
Prolonged skin contact may cause irritation.
Eye contact
Direct contact may irritate.
Symptoms related to the physical, chemical and toxicological characteristics
Direct contact with skin and eyes may cause irritation.
Information on toxicological effects
Acute toxicity
Not classified.
Skin corrosion/irritation
Direct contact may irritate.
Serious eye damage/eye irritation
Direct contact may irritate.
Respiratory or skin sensitization
Respiratory sensitization
Not classified.
Skin sensitization
Not classified.
Germ cell mutagenicity
Not classified.
Carcinogenicity
This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive toxicity
Not classified.
Specific target organ toxicity - single exposure
Not classified.
Specific target organ toxicity - repeated exposure
Not classified.
Aspiration hazard
Not classified.

12. Ecological information
Ecotoxicity
Not expected to be harmful to aquatic organisms.
Persistence and degradability
Not available.
Bioaccumulative potential
Not available.
Mobility in soil
Not available.
Other adverse effects
Not available.

13. Disposal considerations
Disposal instructions
Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazardous waste code
Waste codes should be assigned by the user based on the application for which the product was used.
Waste from residues / unused products
Dispose of waste and residues in accordance with local authority requirements.
Contaminated packaging
Since emptied containers retain product residue, follow label warnings even after container is emptied.
14. Transport information

DOT
  Not regulated as dangerous goods.

IATA
  Not regulated as dangerous goods.

IMDG
  Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
  Not available.

15. Regulatory information

US federal regulations
  This product is hazardous according to OSHA 29 CFR 1910.1200.
    TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
      Not regulated.
    US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
      Not listed.
    CERCLA Hazardous Substance List (40 CFR 302.4)
      Not listed.

  Superfund Amendments and Reauthorization Act of 1986 (SARA)
    Hazard categories
      Immediate Hazard - Yes
      Delayed Hazard - No
      Fire Hazard - No
      Pressure Hazard - No
      Reactivity Hazard - No
    SARA 302 Extremely hazardous substance
      Not listed.
    SARA 311/312 Hazardous chemical
      Yes
    SARA 313 (TRI reporting)
      Not regulated.

Other federal regulations
  Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
    Not regulated.
  Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
    Not regulated.

  Safe Drinking Water Act (SDWA)
    Not regulated.

US state regulations
  This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

    US. Massachusetts RTK - Substance List
      Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)
      Distillates, petroleum, hydrotreated light paraffinic (CAS 64742-55-8)

    US. New Jersey Worker and Community Right-to-Know Act
      Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)

    US. Pennsylvania Worker and Community Right-to-Know Law
      Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)
      Distillates, petroleum, hydrotreated light paraffinic (CAS 64742-55-8)

    US. Rhode Island RTK
      Not regulated.

    US. California Proposition 65
      US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance
        Not listed.
International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>No</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>No</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>No</td>
</tr>
</tbody>
</table>

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date
15-May-2014

Revision date
-

Version #
01

NFPA Ratings

References

ACGIH
EPA: AQUIRE database
NLM: Hazardous Substances Data Base
US. IARC Monographs on Occupational Exposures to Chemical Agents
HSDB® - Hazardous Substances Data Bank
IARC Monographs. Overall Evaluation of Carcinogenicity
National Toxicology Program (NTP) Report on Carcinogens
ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices

Disclaimer

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Star brite assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Star brite assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.