SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or
designation of the mixture: LUB HEAVY DUTY

Registration number: -

Synonyms: None.

Product code: C31031-NTN

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Lubricant grease

Uses advised against: Not available.

1.3. Details of the supplier of the safety data sheet

Supplier

Company name: NTN-SNR ROULEMENTS

Address: 1, rue des Usines
BP 2017
74000 ANNECY
FR

Division

Telephone: Tel.: +33 (0)4 50 65 30 00
Fax: +33 (0)4 50 65 32 91

e-mail: fds@ntn-snr.fr

Contact person: Service Laboratoire NTN-SNR Roulements

1.4. Emergency telephone number

Emergency Tel. (Office hours): +33 (0)4 50 65 97 55

Emergency Tel. (France): ORFILA (INRS)
+ 33 (0)1 45 42 59 59

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

This mixture is not classified as hazardous according to the criteria for classification of the Regulation (EC) 1272/2008 as amended.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Hazard pictograms: None.

Signal word: None.

Hazard statements: The mixture does not meet the criteria for classification.

Precautionary statements

Prevention: Observe good industrial hygiene practices.

Response: Wash hands after handling.

Storage: Store away from incompatible materials.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental label information
EUH208 - Contains Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts. May produce an allergic reaction. EUH210 - Safety data sheet available on request.

2.3. Other hazards
Not a PBT or vPvB substance or mixture.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>%</th>
<th>CAS-No. / EC No.</th>
<th>REACH Registration No.</th>
<th>Index No.</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts</td>
<td>&lt; 1</td>
<td>N/D</td>
<td>01-2119978241-36-XXXX</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

Classification: Skin Sens. 1;H317

List of abbreviations and symbols that may be used above
CLP: Regulation No. 1272/2008. "-" = Not available or this substance does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.
#: This substance has been assigned Union workplace exposure limit(s).
M: M-factor
PBT: persistent, bioaccumulative and toxic substance.
vPvB: very persistent and very bioaccumulative substance.
All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments
Occupational Exposure Limits for constituents are listed in Section 8.
- Contains: Mineral oil
The full text for all H-statements is displayed in section 16. DMSO Extract < 3% according to IF 346 Method.

SECTION 4: First aid measures

General information
Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

4.1. Description of first aid measures
Inhalation
Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin contact
Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact
Rinse with water. Get medical attention if irritation develops and persists.
Ingestion
Rinse mouth thoroughly. If swallowed, do NOT induce vomiting. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed
Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards
No unusual fire or explosion hazards noted.

5.1. Extinguishing media
Suitable extinguishing media
Foam. Dry chemicals. Carbon dioxide (CO2). Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
SAFETY DATA SHEET

Product: LUB HEAVY DUTY

Revision: 05-July-2019

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

In case of fire and/or explosion do not breathe fumes. Cool containers exposed to heat with water spray and remove container, if no risk is involved.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. For personal protection, see section 8 of the SDS.

For emergency responders

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions

Local authorities should be advised if significant spillages cannot be contained. Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

The product is immiscible with water and will spread on the water surface. Stop the flow of material, if this is without risk. For waste disposal, see section 13 of the SDS.

6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

To avoid thermal decomposition, do not overheat. Avoid prolonged or repeated contact with skin. Wash hands after handling. Handle in accordance with good industrial hygiene and safety practices. Adequate ventilation should be provided so that exposure limits are not exceeded.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat and sources of ignition. Store in closed original container in a dry place. Store away from incompatible materials (see Section 10 of the SDS).

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

No exposure limits noted for ingredient(s).

Biological limit values

No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures

Follow standard monitoring procedures.

Derived no effect levels (DNELs)

Not available.

Predicted no effect concentrations (PNECs)

Not available.

Exposure guidelines

Occupational Exposure Limits are not relevant to the current physical form of the product.

8.2. Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.
Individual protection measures, such as personal protective equipment

General information
Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection
Chemical goggles are recommended.

Skin protection
- Hand protection
Use protective gloves made of: Nitrile. Polyvinyl chloride (PVC).

- Other
Normal work clothing (long sleeved shirts and long pants) is recommended.

Respiratory protection
In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.

Hygiene measures
Wash hands after handling. Handle in accordance with good industrial hygiene and safety practices.

Environmental exposure controls
Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance
Physical state
Solid.

Form
Solid. Paste.

Colour
Blonde.

Odour
Oily.

Odour threshold
Not available.

pH
Not available.

Melting point/freezing point
Not available.

Initial boiling point and boiling range
Not available.

Flash point
> 200.0 °C (> 392.0 °F)

Evaporation rate
Not available.

Flammability (solid, gas)
Not available.

Upper/lower flammability or explosive limits
Flammability limit - lower (%)
Not applicable.

Flammability limit - upper (%)
Not applicable.

Vapour pressure
Not available.

Vapour density
Not available.

Relative density
0.9

Relative density temperature
20 °C (68 °F)

Solubility(ies)
Solubility (water)
Insoluble

Partition coefficient
Not available.

(n-octanol/water)
Auto-ignition temperature
> 250

Decomposition temperature
Not available.

Viscosity
Not applicable.
**Explosive properties**  
Not available.

**Oxidising properties**  
Not oxidising.

### 9.2. Other information

#### Dropping point

> 190 °C

---

**SECTION 10: Stability and reactivity**

10.1. Reactivity  
The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability  
Material is stable under normal conditions.

10.3. Possibility of hazardous reactions  
No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the decomposition temperature. Contact with incompatible materials.

10.5. Incompatible materials  
Strong oxidising agents.

10.6. Hazardous decomposition products  
At thermal decomposition temperatures, carbon monoxide and carbon dioxide. Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

---

**SECTION 11: Toxicological information**

11.1. Information on toxicological effects

**Acute toxicity**  
Elevated temperatures or mechanical action may form vapours, mist, or fumes which may be irritating to the eyes, nose, throat, or lungs. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhoea. Specific Target Organ Toxicity, Single Exposure Category 3 respiratory tract irritation.

**Skin corrosion/irritation**  
Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

**Serious eye damage/eye irritation**  
Not classified.

**Respiratory sensitisation**  
Not classified.

**Skin sensitisation**  
Not classified.

**Germ cell mutagenicity**  
Not classified.

**Carcinogenicity**  
Not classified.

**Reproductive toxicity**  
Not classified.

**Specific target organ toxicity - single exposure**  
Not classified.

**Specific target organ toxicity - repeated exposure**  
Not classified.

**Aspiration hazard**  
Not classified.

**Mixture versus substance information**  
No information available.

**Other information**  
Not available.

---

**SECTION 12: Ecological information**

12.1. Toxicity  
Based on available data, the classification criteria are not met for hazardous to the aquatic environment.

12.2. Persistence and degradability  
Not available.

12.3. Bioaccumulative potential  
No data available.
Partition coefficient  
n-octanol/water (log Kow)  
Not available.

Bioconcentration factor (BCF)  
Not available.

12.4. Mobility in soil  
No data available.

Mobility in general  
The product is immiscible with water and will spread on the water surface.

12.5. Results of PBT and vPvB assessment  
Not a PBT or vPvB substance or mixture. Not available.

12.6. Other adverse effects  
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13: Disposal considerations

13.1. Waste treatment methods  
Residual waste  
Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging  
Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

EU waste code  
Unused product: 16 03 06  
Waste codes should be assigned by the user based on the application for which the product was used.

Disposal methods/information  
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not discharge into drains, water courses or onto the ground.

Special precautions  
Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR  
14.1. - 14.6.: Not regulated as dangerous goods.

IATA  
14.1. - 14.6.: Not regulated as dangerous goods.

IMDG  
14.1. - 14.6.: Not regulated as dangerous goods.

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

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
EU regulations  
Authorisations

Restrictions on use

Other regulations  
The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

National regulations  
Follow national regulation on the protection of workers from the risks of exposure to carcinogens and mutagens at work, in accordance with Directive 2004/37/EC.

15.2. Chemical safety assessment  
No Chemical Safety Assessment has been carried out.
SECTION 16: Other information

| List of abbreviations          | Not available. |
| References                   | Not available. |
| Information on evaluation    | The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available. |
| method leading to the         |                |
| classification of mixture     |                |
| Full text of any H-statements | H317 May cause an allergic skin reaction. |
| not written out in full under |                |
| Sections 2 to 15              |                |
| Revision information          | This document has undergone significant changes and should be reviewed in its entirety |
| Training information          | Follow training instructions when handling this material. |