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 | C31044-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 |
| 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) |
| | +3 3 (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 | Not available. |

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.
SAFETY DATA SHEET

Product: LUB HEAVY DUTY
Code: C31044-NTN
Revision: 03-October-2019

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<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. 1B;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

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.

Unsuitable extinguishing media
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

| Special protective equipment for firefighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| Special fire fighting procedures | 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. |
| Specific methods | In the event of fire and/or explosion do not breathe fumes. |

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. Storage temperature: between 5°C and 40°C. 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. |

8.2. Exposure guidelines

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

8.3. Appropriate engineering controls

| | Ensure adequate ventilation, especially in confined areas. |
SAFETY DATA SHEET

Product: LUB HEAVY DUTY
Code: C31044-NTN
Version: 1.1
Revision: 03-October-2019

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 (n-octanol/water): Not available.

Auto-ignition temperature: > 250
Decomposition temperature: Not available.
Viscosity: Not applicable.
SAFETY DATA SHEET

Product: LUB HEAVY DUTY
Code: C31044-NTN
Revision: 03-October-2019
Version: 1.1
Code: C31044-NTN
Revision: 03-October-2019
Version: 1.1

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 Carbon oxides. Sulphur compounds. Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition. Sulphur compounds. (in small quantity)

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.
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 The product is not readily biodegradable.
12.3. Bioaccumulative potential Not available.
Bioconcentration factor (BCF) Not available.
SAFETY DATA SHEET

Product: LUB HEAVY DUTY
Code: C31044-NTN
Revision: 03-October-2019
Version: 1.1

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 (CLF 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.
<table>
<thead>
<tr>
<th>Information on evaluation method leading to the classification of mixture</th>
<th>The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full text of any H-statements not written out in full under Sections 2 to 15</td>
<td>H317 May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>Revision information</td>
<td>None.</td>
</tr>
<tr>
<td>Training information</td>
<td>Follow training instructions when handling this material.</td>
</tr>
</tbody>
</table>