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

1.1. Product identifier
Trade name or designation of the mixture: LUB UNIVERSAL
Registration number: None.
Synonyms: None.
Product code: C31030-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: Service Laboratoire NTN-SNR Roulements

1.4. Emergency telephone number
Emergency Tel. (Office hours): +33 (0)4 50 65 97 55
Emergency Tel. (France): +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
P264: Wash thoroughly after handling.
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.

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; 0.2</td>
<td>N/D</td>
<td>01-2119978241-36-XXXX</td>
<td>-</td>
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<td>Classification:</td>
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<td>Skin Sens. 1;H317</td>
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ADDITIONAL COMPONENTS

<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>OIL MIST, MINERAL</td>
<td></td>
<td>SEQ100910</td>
<td>-</td>
<td>-</td>
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<tr>
<td></td>
<td></td>
<td>232-384-2</td>
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<td></td>
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</tbody>
</table>

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.

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

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
See also section 10.

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
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.
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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. Mild.
- Odour threshold Not available.
- pH Not applicable.
- Melting point/freezing point Not available.
- Initial boiling point and boiling range Not available.
- Flash point 230.0 ºC (446.0 ºF) Open cup Base oil
- Evaporation rate Not available.
- Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

- Flammability limit - lower (%) Not available.
- Flammability limit - upper (%) Not available.
- Vapour pressure Not available.
- Vapour density Not available.
- Relative density 0.89 g/cm3
- Relative density temperature 20 ºC (68 ºF)
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Solubility(ies)

Solubility (water) Insoluble.

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

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not applicable.

Viscosity temperature 40 °C (104 °F)

Explosive properties Not available.

Oxidising properties Not oxidising.

9.2. Other information

Dropping point 200 °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.

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.

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
The product is immiscible with water and will spread on the water surface. No 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
**SAFETY DATA SHEET**

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**Revision:** 13-May-2019

### 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

<table>
<thead>
<tr>
<th>List of abbreviations</th>
<th>Not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>References</td>
<td>Not available.</td>
</tr>
<tr>
<td>Information on evaluation method leading to the classification of mixture</td>
<td>The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.</td>
</tr>
<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>This document has undergone significant changes and should be reviewed in its entirety.</td>
</tr>
<tr>
<td>Training information</td>
<td>Follow training instructions when handling this material.</td>
</tr>
</tbody>
</table>

*This document complements the technical sheets but does not replace them. The information contained herein is based on our knowledge of the concerned product on the date indicated. It is offered in good faith. Furthermore, the regulatory requirements referred to must not be considered as exhaustive. They do not exempt in any form the user from knowing and applying all regulations related to the possession and use of the product. The user takes as their sole responsibility the implementation of precautions relating to storage and their use of the product. NTN-SNR ROULEMENTS cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user’s responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.*