SECTION: Indication of the substance/ mixture and of the company/undertaking

1.1 Product identifier

Product name : LUB UNIVERSAL +

1.2 Relevante identifizierte Verwendungen des Stoffs oder Gemischs und Verwendungen, von denen abgeraten wird

Relevant identified uses: Lubricating grease

1.3 Details of the supplier of the safety data sheet

Company name Address
NTN-SNR ROULEMENTS 1, rue des Usines - BP 2017
74000 ANNECY FRANCE

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

E-mail contact Person
fds@ntn-snr.fr Service Laboratoire NTN-SNR ROULEMENTS

1.4 Emergency 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

The classification was made according to the latest editions of the EC-lists, and expanded upon from company and literature data.

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
None

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Special rules for supplemental label elements for certain mixtures
EUH210 Safety data sheet available on request.

2.3 Other hazards
None

SECTION 3: Composition / information on ingredients

3.2 Mixtures

Description
Base oil with thickener and additives.

Hazardous ingredients
Material Safety Data Sheet
According to Regulation (EC) 1907/2006 (REACH) - en

LUB UNIVERSAL +

Version 1.0 Revision: 30.05.2015

DI-TERT-DODECYL POLYSULFIDE ; EC No. : 270-335-7; CAS No. : 68425-15-0
Weight fraction : 1 - < 10 %
Classification 1272/2008 [CLP] : Aquatic Chronic 4 ; H413

Additional information
Full text of R-, H- and EUH-phrases: see section 16.

3.3 Additional information
For ingredients without any information about the EG-number we will use a generic name according to RL 1999/45/EG amendment VI. Highly refined mineral oil (IP 346 DMSO extract < 3%).

SECTION 4: First aid measures

4.1 Description of first aid measures
General information
Remove contaminated, saturated clothing immediately.

In case of inhalation
No special measures are necessary. Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

In case of skin contact
SPo1 - After contact with skin, first remove product with a dry cloth and then wash the skin with plenty of water.

After eye contact
P338 - Remove contact lenses, if present and easy to do. Continue rinsing. Wash with plenty of water. Call a physician immediately.

After ingestion
Do NOT induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed
No information available.

4.3 Indication of any immediate medical attention and special treatment needed
None

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing media
Water spray jet, Foam, Extinguishing powder, Carbon dioxide (CO2) , Sand .
Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media
Full water jet.

5.2 Special hazards arising from the substance or mixture
Hazardous combustion products
Carbon dioxide (CO2) , Nitrogen oxides (NOx). Sulphur dioxide (SO2). Carbon monoxide. Aliphatic and aromatic pyrolysis products.
5.3 **Advice for firefighters**

Special protective equipment for firefighters
Use suitable breathing apparatus.

5.4 **Additional information**
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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**SECTION 6: Accidental release measures**

6.1 **Personal precautions, protective equipment and emergency procedures**
Avoid contact with skin, eyes and clothes. Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.

6.2 **Environmental precautions**
Do not allow to enter into surface water or drains.

6.3 **Methods and material for containment and cleaning up**
Special danger of slipping by leaking/spilling product. Take up mechanically. Disposal: see section 13.

6.4 **Reference to other sections**
None

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**SECTION 7: Handling and storage**

7.1 **Precautions for safe handling**
No hazardous reaction when handled and stored according to provisions. (Health hazards: None).
Avoid contact with skin, eyes and clothes.

**Protective measures**

Measures to prevent aerosol and dust generation
No special measures are necessary.

7.2 **Conditions for safe storage, including any incompatibilities**

Requirements for storage rooms and vessels
Dispose according to legislation.

**Hints on joint storage**
Possibility of hazardous reactions: Oxidising agent.

**Further information on storage conditions**
Keep/Store only in original container. Notice the directions for use on the label.

**Do not store at temperatures below:** 0 °C.
**Recommended storage temperature:** 5 °C - 40 °C.
**Protect against:** Protect against direct sunlight. Keep away from heat.
**Storage stability:** > 6 months (5 °C - 40 °C).

7.3 **Specific end use(s)**
None
SECTION 8: Exposure controls/personal protection

8.1 Control parameters

None

8.2 Exposure controls

Appropriate engineering controls
See protective measures under point 7 and 8.

Personal protection equipment

General health and safety measures
No special measures are necessary.

Eye/face protection

Additional eye protection measures: 39 - Wear eye/face protection.

Skin protection

Hand protection
Tested protective gloves must be worn. Breakthrough time (maximum wearing time): 4 hours (NBR (Nitrile rubber), Thickness of the glove material: 0,4 mm). See information supplied by the manufacturer.

Respiratory protection
No special measures are necessary.

General health and safety measures

Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing immediately.

Wash hands before breaks and after work. Keep away from food, drink and animal feeding stuffs.

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance
Paste

Colour: See information supplied by the manufacturer.

Odour
characteristic

Safety relevant basis data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point/melting range: (1013 hPa)</td>
<td>&gt; 170 °C</td>
</tr>
<tr>
<td>Boiling temperature/boiling range: (1013 hPa)</td>
<td>&gt; 250 °C</td>
</tr>
<tr>
<td>Flash point:</td>
<td>&gt; 200 °C</td>
</tr>
<tr>
<td>Danger of explosion:</td>
<td>No explosive hazard</td>
</tr>
<tr>
<td>Density: (20 °C)</td>
<td>ca. 0.93 g/cm³ DIN 51757</td>
</tr>
<tr>
<td>Solubility in / Miscibility with Water:</td>
<td>Not miscible or difficult to mix.</td>
</tr>
</tbody>
</table>
SECTION 10: Stability and reactivity

10.1 Reactivity
No information available.

10.2 Chemical stability
No information available.

10.3 Possibility of hazardous reactions
No information available.

10.4 Conditions to avoid
Stable under recommended storage and handling conditions (See section 7).

10.5 Incompatible materials
Oxidising agent, strong.

10.6 Hazardous decomposition products

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Irritant and corrosive effects
Repeated exposure may cause skin dryness or cracking. After eye contact: Irritation to eyes.

Primary irritation to the skin
Practical experience/human evidence
No hazardous reaction when handled and stored according to provisions. (Health hazards: None known.)

Sensitisation
No information available.

SECTION 12: Ecological information

Do not allow to enter into surface water or drains.

12.1 Toxicity
No information available.

12.2 Persistence and degradability
No information available.

12.3 Bioaccumulative potential
No information available.

12.4 Mobility in soil
No information available.

12.5 Results of PBT and vPvB assessment
No information available.

12.6 Other adverse effects
No information available.

12.7 Further ecological information
None

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal
Waste treatment options

Appropriate disposal / Product
ASN 12 01 12: spent waxes and fats.

Appropriate disposal / Package
Contaminated packages must be completely emptied and can be re-used following proper cleaning. Completely emptied packages can be recycled. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself.

Other disposal recommendations
Dispose according to legislation. Do not allow to enter into surface water or drains.

SECTION 14: Transport information

14.1 UN number
No dangerous goods in sense of this transport regulation.

14.2 UN proper shipping name
No dangerous goods in sense of this transport regulation.

14.3 Transport hazard class(es)
No dangerous goods in sense of this transport regulation

14.4 Packing group
No dangerous goods in sense of this transport regulation.

14.5 Environmental hazards
No dangerous goods in sense of this transport regulation.

14.6 Special precautions for user
None

14.8 Additional information
No dangerous goods in sense of these transport regulations.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU legislation
Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP].

15.2 Chemical Safety Assessment
No information available.

SECTION 16: Other information

16.1 Indication of changes
02. Classification of the substance or mixture · 02. Label elements · 03. Hazardous ingredients

16.2 Abbreviations and acronyms
None

16.3 Key literature references and sources for data
None

16.4 Relevant H- and EUH-phrases (Number and full text)
H413 May cause long lasting harmful effects to aquatic life.

16.5 Training advice
None

16.6 Additional information
Please refer to our internet website for more information: www.ntn-snr.com

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.