

**NTN-SNR LUB UNIVERSAL +**

Revision : 05.11.2019

Version (Revision) : 3.0.0 (2.0.1)

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

**1.1 Product identifier**

NTN-SNR LUB UNIVERSAL +  
Authorisation No. : None  
UFI : None

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

**Relevant identified uses**

PC 24 - Lubricants, greases, release products  
Observe technical data sheet.

**1.3 Details of the supplier of the safety data sheet**

**Supplier (manufacturer/importer/only representative/downstream user/distributor)**

NTN-SNR ROULEMENTS

**Street :** 1, Rue des Usines – BP 2017

**Postal code/city :** 74000 ANNECY France

**Telephone :** +33 (0)4 50 65 30 00

**Telefax :** +33 (0)4 50 65 32 91

**E-mail address of the person responsible for MSDS :** [fds@ntn-snr.fr](mailto:fds@ntn-snr.fr)

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  
Emergency Tel. (EU) : 112 (Available 24 hours a day)

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

None

**Classification procedure**

Calculation method.

**2.2 Label elements**

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

**Special rules for supplemental label elements for certain mixtures**

EUH208 Contains Zinc naphthenate. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

**2.3 Other hazards**

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**Hazardous ingredients**

None

**3.3 Additional information**

Highly refined mineral oil (IP 346 DMSO extract < 3%).

**NTN-SNR LUB UNIVERSAL +**

Revision : 05.11.2019

Version (Revision) : 3.0.0 (2.0.1)

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information**

Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing immediately. When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice. In the event of cardiac arrest immediately perform cardiopulmonary resuscitation.

**Following inhalation**

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. When in doubt or if symptoms are observed, get medical advice.

**In case of skin contact**

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician. Oils and greases injected under your skin with high pressure equipment is a serious damage. Seek medical attention IMMEDIATELY. Bring a copy of this safety data sheet with you to the hospital for information to the medical staff.

**After eye contact**

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Remove contact lenses, if present and easy to do. Continue rinsing. Protect uninjured eye. Call a physician immediately.

**After ingestion**

Rinse mouth thoroughly with water. Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. Call a physician immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

**Symptoms**

The following symptoms may occur: Respiratory complaints, Headache, Dizziness, Nausea. Symptoms can occur only after several hours.

**4.3 Indication of any immediate medical attention and special treatment needed**

None

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

Foam, Extinguishing powder, Carbon dioxide (CO<sub>2</sub>), Sand.  
Co-ordinate fire-fighting measures to the fire surroundings.

**Unsuitable extinguishing media**

Water

**5.2 Special hazards arising from the substance or mixture**

**Hazardous combustion products**

Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>), Sulphur oxides, Carbon monoxide, Aliphatic and aromatic pyrolysis products, Phosphorus oxides

**5.3 Advice for firefighters**

**Special protective equipment for firefighters**

Do not inhale explosion and combustion gases. In case of fire: Wear self-contained breathing apparatus.

**5.4 Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Use water spray jet to protect personnel and to cool endangered containers. Move undamaged containers from immediate hazard area if it can be done safely.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Special danger of slipping by leaking/spilling product. Provide fresh air.

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

**NTN-SNR LUB UNIVERSAL +**

Revision : 05.11.2019

Version (Revision) : 3.0.0 (2.0.1)

work

**For non-emergency personnel**

Avoid contact with skin, eyes and clothes. Use personal protection equipment. Remove all sources of ignition. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Special danger of slipping by leaking/spilling product. Provide adequate ventilation. See protective measures under point 7 and 8.

**For emergency responders**

Suitable material : NBR (Nitrile rubber)

Unsuitable material : Butyl caoutchouc (butyl rubber) , NR (natural rubber, natural latex) , CR (polychloroprene, chloroprene rubber)

**6.2 Environmental precautions**

Make sure spills can be contained, e.g. in sump pallets or kerbed areas. Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

**6.3 Methods and material for containment and cleaning up**

**For containment**

Clear spills immediately. Cover drains.

**For cleaning up**

Take up mechanically, placing in appropriate containers for disposal. Treat the recovered material as prescribed in the section on waste disposal. Never return spills in original containers for re-use. Clean contaminated articles and floor according to the environmental legislation. Retain contaminated washing water and dispose it.

**6.4 Reference to other sections**

Wear personal protection equipment (refer to section 8). Disposal: see section 13 .

**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.

Do not breathe vapour/aerosol. Provide fresh air.

Respiratory protection necessary at: generation/formation of aerosols, insufficient ventilation , insufficient exhaust .

**Protective measures**

**Measures to prevent fire**

No special fire protection measures are necessary.

**Measures to prevent aerosol and dust generation**

No special measures are necessary.

**Specific requirements or handling rules**

No special measures are necessary.

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

**Packaging materials**

Unsuitable container/equipment material: None

**Requirements for storage rooms and vessels**

Floors should be impervious, resistant to liquids and easy to clean. Make sure spills can be contained, e.g. in sump pallets or kerbed areas. Shafts and sewers must be protected from entry of the product. Keep/Store only in original container. Protect containers against damage. Ensure adequate ventilation of the storage area.

**Hints on joint storage**

Possibility of hazardous reactions : Oxidizing agent .

**Further information on storage conditions**

Keep/Store only in original container. Keep in a cool, well-ventilated place.

**Do not store at temperatures below :** 0°C

**Recommended storage temperature :** 0°C – 40°C

**Protect against :** Protect against direct sunlight. Keep away from heat.

**Storage stability :** >= 6 months. Observe technical data sheet.

**7.3 Specific end use(s)**

None

**NTN-SNR LUB UNIVERSAL +**

Revision : 05.11.2019

Version (Revision) : 3.0.0 (2.0.1)

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

None

**8.2 Exposure controls**

A substance-tailored exposure-driven testing according to REACH, annex XI, chapter 3 was not performed.

**Appropriate engineering controls**

See section 7. No additional measures necessary.

**Personal protection equipment**

Technical measures and the application of suitable work processes have priority over personal protection equipment.

**Eye/face protection**

Additional eye protection measures : Wear eye/face protection.

**Skin protection**

**Hand protection**

Tested protective gloves must be worn . DIN-/EN-Norms : EN ISO 374 . Breakthrough time (maximum wearing time) : 4 hours ( NBR (Nitrile rubber) , Thickness of the glove material : 0,4 mm ) . See information supplied by the manufacturer. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Unsuitable material : Butyl caoutchouc (butyl rubber) , NR (natural rubber, natural latex) , CR (polychloroprene, chloroprene rubber)

**Respiratory protection**

Usually no personal respirative protection necessary.

**General information**

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**

**Physical state** : solid

**Colour** : brown

**Odour**

characteristic

**Safety characteristics**

<b>Melting point/freezing point</b> :	( 1013 hPa )	>	170	°C
<b>Initial boiling point and boiling range</b> :	( 1013 hPa )	>	250	°C
<b>Decomposition temperature</b> :		>	not determined	
<b>Flash point</b> :		>	200	°C
<b>Lower explosion limit</b> :			not determined	
<b>Upper explosion limit</b> :			not determined	
<b>Danger of explosion</b> :	( 20 °C )	approx.	No explosive hazard	
<b>Density</b> :			0,93	g/cm <sup>3</sup> DIN 51757
<b>Solubility in / Miscibility with Water</b> :			Not miscible or difficult to mix.	
<b>log P O/W</b> :			not determined	
<b>Odour threshold</b> :	( 20 °C )		not determined	
<b>Relative vapour density</b> :			not determined	
<b>Vapourisation rate</b> :			not determined.	
<b>Flammable solids</b> :			Not oxidising.	
<b>Oxidising solids</b> :				

**9.2 Other information**

**NTN-SNR LUB UNIVERSAL +**

Revision : 05.11.2019

Version (Revision) : 3.0.0 (2.0.1)

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is considered to be non-reactive under normal use conditions.

### 10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4 Conditions to avoid

In case of exceeding the storage temperature: Danger of bursting container.

### 10.5 Incompatible materials

Reaction with oxidizing agents possible. Acid

### 10.6 Hazardous decomposition products

Does not decompose when used for intended uses. Thermal decomposition can lead to the escape of irritating gases and vapours.

Hazardous decomposition products : Carbon monoxide , Carbon dioxide. , aldehydes. , Ketone , Sulphur oxides , Nitrogen oxides (NOx)  
, Phosphorus oxides

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Acute oral toxicity

Based on available data, the classification criteria are not met.

##### Acute dermal toxicity

Based on available data, the classification criteria are not met.

##### Acute inhalation toxicity

Based on available data, the classification criteria are not met.

#### Corrosion

##### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

##### Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

##### Irritation to respiratory tract

Based on available data, the classification criteria are not met.

#### Respiratory or skin sensitisation

##### Skin sensitisation

Based on available data, the classification criteria are not met.

##### Sensitisation to the respiratory tract

Based on available data, the classification criteria are not met.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

##### Carcinogenicity

Based on available data, the classification criteria are not met.

##### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

##### Reproductive toxicity

Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

**NTN-SNR LUB UNIVERSAL +**

Revision : 05.11.2019

Version (Revision) : 3.0.0 (2.0.1)

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**11.3 Symptoms related to the physical, chemical and toxicological characteristics**

**In case of ingestion**

No known symptoms to date.

**In case of skin contact**

No known symptoms to date.

**In case of inhalation**

No known symptoms to date.

**In case of eye contact**

No known symptoms to date.

**SECTION 12: Ecological information**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

**12.1 Toxicity**

There are no data available on the mixture itself.

**12.2 Persistence and degradability**

There are no data available on the mixture itself.

**12.3 Bioaccumulative potential**

There are no data available on the mixture itself.

**12.4 Mobility in soil**

There are no data available on the mixture itself.

**12.5 Results of PBT and vPvB assessment**

There are no data available on the mixture itself.

**12.6 Other adverse effects**

There are no data available on the mixture itself.

**12.7 Additional ecotoxicological information**

None

**SECTION 13: Disposal considerations**

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. Recycle according to official regulations.

**13.1 Waste treatment methods**

**Product/Packaging disposal**

The waste is to be kept separate from other types of waste until its recycling. Recycle according to official regulations. Waste for recycling is to be classified and labelled.

**Waste codes/waste designations according to EWC/AVV**

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

**Waste code product**

List of proposed waste codes/waste designations in accordance with AAV : 120112\*

**Waste code packaging**

List of proposed waste codes/waste designations in accordance with AAV : 150110\*

**Waste treatment options**

**Appropriate disposal / Product**

Evidence for disposal must be provided. Send to a hazardous waste incinerator facility under observation of official regulations.

**Appropriate disposal / Package**

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Non-contaminated packages must be recycled or disposed of. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself. Evidence for disposal must be provided.

**NTN-SNR LUB UNIVERSAL +**

Revision : 05.11.2019

Version (Revision) : 3.0.0 (2.0.1)

**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 good in sense of these transport regulations.

**14.2 UN proper shipping name**

No dangerous good in sense of these transport regulations.

**14.3 Transport hazard class(es)**

No dangerous good in sense of these transport regulations.

**14.4 Packing group**

No dangerous good in sense of these transport regulations.

**14.5 Environmental hazards**

No dangerous good in sense of these transport regulations.

**14.6 Special precautions for user**

None

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

No dangerous good 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**

REACH Regulation – the European Parliament and Council Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals

CLP Regulation – the European Parliament and Council Regulation (EC) No 1272/2008 concerning reclassification, labelling and packaging of substances and mixtures

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP] . This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: Keine

**Other regulations (EU)**

**Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline)**

Volatile organic compounds (VOC) content in percent by weight : <3

**Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer**

not relevant

**15.2 Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

**SECTION 16: Other information**

**16.1 Indication of changes**

02. Classification of the substance or mixture · 02. Label elements · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Special rules for supplemental label elements for certain mixtures · 06. Methods and material for containment and cleaning up - For cleaning up · 09. Physical state

**16.2 Abbreviations and acronyms**

None

**16.3 Key literature references and sources for data**

Data arise from reference works and literature.

**16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]**

Calculation method.

**16.5 Relevant H- and EUH-phrases (Number and full text)**

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH) – en



**NTN-SNR LUB UNIVERSAL +**

Revision : 05.11.2019

Version (Revision) : 3.0.0 (2.0.1)

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GHS Hazard statements of components

**16.6 Training advice**

None

**16.7 Additional information**

During mixing, observe all labels and safety data sheets of all the components. Please refer to our internet website for more information: See section 1.

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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.

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