

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 26.02.2010

Revision: 09.11.2009

1 Identification of substance:

- **Product details:**
- **Trade name:** *Rhenus Norlith STM 2*
- **Application of the substance / the preparation:** *Grease*
- **Manufacturer/Supplier:**
Rhenus Lub GmbH & Co KG *Tel.: 49(0)2161-5869-0*
Erkelenzer Str. 36 *Fax : 49(0)2161-5869-93*
- D-41179 Mönchengladbach*
- **Information department:** *technical support 49(0)2161-5869-45 (only available during office hours)*
- **Emergency information:** *as above*

2 Hazards identification

- **Hazard description:** *not applicable*
- **Information pertaining to particular dangers for man and environment**
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system**
The classification was made according to the latest editions of the EC-lists, and expanded upon from company and literature data.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** *Lithium saponified lubricating grease based on mineral oil.*

- **Dangerous components:**

EINECS: 224-235-5	zinkdialkyldithiophosphates		N; R 51/53	< 2.5%
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- **Additional information** *For the wording of the listed risk phrases refer to section 16.*

4 First aid measures

- **General information** *No special measures required.*
- **After inhalation** *No special precautions necessary*
- **After skin contact** *Wash with plenty of soap and water*
- **After eye contact** *Rinse opened eye for several minutes under running water.*
- **After swallowing** *If symptoms persist consult doctor.*

5 Fire fighting measures

- **Suitable extinguishing agents** *CO₂, sand, extinguishing powder. Do not use water.*
- **For safety reasons unsuitable extinguishing agents** *Water.*
- **Special hazards caused by the material, its products of combustion or resulting gases:**
Sulphur dioxide (SO₂)
Carbon monoxide (CO)
- **Protective equipment:** *Mount respiratory protective device.*

6 Accidental release measures

- **Person-related safety precautions:** *Prevent skin and eye contact*
- **Measures for environmental protection:**
Do not allow to penetrate the ground/soil.
Do not allow to enter sewers/ surface or ground water.

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- *Measures for cleaning/collecting: Pick up mechanically.*

7 Handling and storage

- **Handling**
- **Information for safe handling:** Prevent skin and eye contact
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Observe all storage regulations
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Protect from frost and direct sunlight.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures** Avoid close or long term contact with the skin.
- **Breathing equipment:** Not required.
- **Protection of hands:** Protective gloves.
- **Material of gloves** Nitrile rubber, NBR
- **Penetration time of glove material**
Nitrile: thick 0,4 mm, break trough time > 240 min.
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses
- **Body protection:** Protective clothing

9 Physical and chemical properties:

· General Information

Form:	Pasty
Colour:	Brown
Odour:	Characteristic

· Change in condition

Melting point/Melting range: > 180°C (DIN ISO 2176)
Boiling point/Boiling range: undetermined

· **Flash point:** >200°C
Baseoil

· **Self igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density at 20°C:** 0.88 - 0.92 g/cm³
internal method

· Solubility in / Miscibility with

Water: Not miscible or difficult to mix

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10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:** Strong oxidizers
- **Dangerous reactions:** No dangerous reactions known
- **Dangerous products of decomposition:** Sulphur oxides (SO_x)

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Prolonged and/or repeated skin contact may defat skin and possibly cause dermatitis
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information:

- **General notes:**
Water hazard class 1 (German Regulation 17.05.1999) (Self-assessment): slightly hazardous for water.
Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Waste disposal key:** 120112
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -

- **Maritime transport IMDG:**
- **IMDG Class:** -

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulations

- **Markings according to EU guidelines:**
Observe the general safety regulations when handling chemicals
The product has not been classified and marked in accordance with EU Directives / respective national laws.
- **Special labelling of certain preparations:**
Safety data sheet available for professional user on request.

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- **National regulations**
- **Water hazard class:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

16 Other information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R-phrases**
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Contact:** e-mail: sicherheitsdatenblatt@rhenusweb.de

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