

Material Safety Data Sheet

According to Regulation (EC) 1907/2006



Sunnhaldenstrasse 6
Postfach 2171
Telefon +41 44 821 63 66
Telefax +41 44 820 10 67

Product name: OLYT 3169 NEU

Revision: 30.10.2013

Print date: 22.05.2014

HENRI HOTZ AG

**Fabrik hochwertiger Schmierstoffe
8600 Dübendorf**

01. Identification of the substance / preparation and of the company/undertaking

Product name:	OLYT 3169 NEU
Use of the substance / preparation	Lubricating grease
Supplier	HENRI HOTZ LTD, CH-8600 DÜBENDORF
Contact	+41 44 821 63 66

02. Hazards identification

Hazard designation

Directive 67/548/EEC or 1999/45/EC

Particular information pertaining specific risk for human and environment

The product has been tested regarding its ecotoxicological data and is therefore not harmful for waterorganisms.

Additional information

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

The classification is based on experimental and epidemiological data or because the conventional method acc. Preparations Directive 1999/45.

03. Composition/information on ingredients

Chemical characterization

Base oil with thickener and additives.

Hazardous components

AMINES, C11-C14-BRANCHED ALKYL, MONOHEXYL AND DIHEXYL PHOSPHATES ; EC-No. : 279-632-6; CAS-No. : 80939-62-4

Percentage : 0 - 1 %

Classification 67/548/EEC : N ; R51/53 Xi ; R36/38

Classification 1907/2006 (GHS) : Skin Irrit. 2 ; H315 eye Irrit. 2 ; H319 Aquatic Chronic 2 ; H411

(Z)-N-METHYL-N-(1-OXO-9-OCTADECENYL)GLYCINE ; EC-No. : 203-749-3; CAS-No. : 110-25-8

Percentage : 0,25 - 1 %

Classification 67/548/EEC : N ; R50/53 Xi ; R41 Xi ; R38

Classification 1907/2006 (GHS) : Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315 Aquatic Acute 1 ; H400 ; H319 Aquatic Chronic 2 ; H410

For the wording of the listed risk phrases refer to section 16.

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.

04. First-aid measures

General

No particular measures required. Immediately remove all contaminated clothing.

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After inhalation

No particular measures required. Supply fresh air; consult doctor in case of complaints

After skin contact

First, wipe dry. Wash with plenty of soap and water

After eye contact

Remove contact lenses, keep eyelids open. Flush with plenty of water (10 - 15 min.). Contact a doctor immediately.

After ingestion

Do not induce vomiting - danger of chemical pneumonia.
If symptoms persist consult doctor.

05. Fire-fighting measures

Suitable extinguishing media

In case of fire, use sand, carbone dioxid or powdered extinguishing agent. Never use water.
Use fire fighting measures that suit the environment.

Unsuitable extinguishing media

Water.

Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged

Carbon monoxide. Carbon dioxide. Aliphatic and aromatic pyrolysis products. Oxides of nitrogen. Sulphur dioxide.

Special protective equipment

Appropriate breathing apparatus may be required.

Additional information

Do not allow the quenching water into the sewage system.

06. Accidental release measures

Personal precautions

Avoid contact with skin and eyes. Wear appropriate protective equipment.

Environmental precautions

Do not allow product to reach ground water, water course or sewage system.

Methods for cleaning up/collecting

Caution: Slipping. Take-up mechanically and remove according to regulations (Chapter 13).

07. Handling and storage

Information for safe handling

No special measures required. Avoid contact with skin and eyes. General ventilation recommended.

Information about protection against explosions and fires

No particular measures required.

Requirements to be met by storerooms and containers

Keep container tightly closed and in a well-ventilated place.

Information about separation of incompatible products

Do not store with oxidizing agents

Further information about storage conditions

Protecting from frost and direct sun light. Original containers to be kept dry and firmly closed

Storage class (VCI) : 10

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08. Exposure controls/personal protection

Additional information about engineering measures

No further data; see item 7.

Components with critical values that require monitoring at the workplace (exposure limits)

Under non-conventional conditions oil mist can evolve. The following country specific limits are valid in this case: Finland: 5 mg/m³, Sweden: 5 mg/m³, USA: 5 mg/m³

References to the thresholds

The lists that were valid during the creation were used as basis.

Personal protective equipment

General protective and hygiene measures

Avoid close or long term contact with the skin.

Avoid contact with eyes.

Immediately remove all contaminated clothing. Wash hands before breaks and after work. Keep away from food, drink and animal feeding stuff.

Observe the general safety regulations when handling chemicals.

Respiratory protection

No particular measures required.

Hand protection

Protective gloves; Material of gloves Nitrile rubber, NBR

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

Use safety glasses.

Body protection:

Protective clothing: No particular measures required.

09. Physical and chemical properties

Image

Form : Pasty.

Color : According to technical data sheet.

Odor : Characteristic.

Relevant safety data

Melting point / range : (1013 hPa - mbar) > 180 °C

Boiling point / range : (1013 hPa - mbar) > 250 °C

Flash point : > 200 °C

Danger of explosion: No explosive hazard

Density : (20 °C) ca. 0,93 g/cm³ DIN 51757

Solubility in / Miscibility with Water: Not miscible or difficult to mix.

10. Stability and reactivity

Conditions to avoid

No decomposition if used and stored according to specifications.

Materials to avoid

Strong oxidizers.

(Otherwise) No dangerous reactions known.

Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbonmonoxide and dioxide, smoke, oxides of nitrogen. Aldehydes, ketones, carboxylic acids. Sulphur oxides .

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11. Toxicological information

Toxicological tests

Primary irritant effect

On The skin: prolonged and/or repeated skin contact may defat skin and possibly cause dermatitis. On the eye: Eye contact may cause irritation and redness.

Sensitization

No sensitizing effects known.

Experience on practice

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

Additional ecological information

General ecological information

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 key

120112

Contaminated packaging

Recommendation

In accordance with local official regulations. Remove in accordance with regulations.

14. Transport information

Land transport ADR/RID

Classification

Class : -

Maritime transport IMDG/GGVSea

Classification

IMDG-Code : -

Air transport ICAO-TI and IATA-DGR

Classification

Class : -

Additional transport information

The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

15. Regulatory information

Labeling (67/548/EEC or 1999/45/EC)

Observe the general safety regulations when handling chemicals.

The classification is based on experimental and epidemiological data or because the conventional method acc. Preparations Directive 1999/45

The product has been tested regarding its ecotoxicological data and is therefore not harmful for water organisms.

Special designation for certain preparations

101 - Safety data sheet available for professional user on request.

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National regulatory information

Water pollution classification

Class : 1 according VwVwS

16. Other information

Further information

Relevant changes

Data compared to the previous version altered.

R-Phrases of components

- | | |
|-------|--|
| 36/38 | Irritating to eyes and skin. |
| 38 | Irritating to skin. |
| 41 | Risk of serious damage to eyes. |
| 50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| 51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

GHS Hazard statements of components

- | | |
|------|---|
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.