

Safety data sheet NEFF LUBE 320

according to 1907/2006/EG, article 31 respectively 453/2010/EG

1. Identification of the substance/mixture and the company:

Product identifier

Trade name: NEFF LUBE 320

Use: gear oil

Article number, manufacturer certificate: 3750

Relevant identified uses of the substance or mixture and advise against use:

No further relevant information available.

Details of the supplier providing the safety data sheet:

Manufacturer/Supplier: Neff Gewindetriebe GmbH
Karl-Benz-Straße 24
71093 Weil im Schönbuch
Germany
phone: +49 (0) 7157 538900
Fax: +49(0) 7157 5389025
Mail: info@neff-gt.de
www.neff-gewindetriebe.de

Informing department: Department: safety/environmental protection
Call for emergencies:
24-hour emergency call of CHEMTREC:
+1-703-527-3887
0800-181-7059 (Germany)
+31-858880596 (Netherland)
+41-435082011 (Switzerland)

2. **Potential dangers:**

2.1 Classification of the substance or mixture

The product is not classified according to CLP regulation.

2.2 Labeling elements

Labelling according to regulation (EC) no.1272/2008: not applicable.

Hazard pictograms: not applicable

Signal word: not applicable

Hazard statements: not applicable

Precautionary statements: P501 dispose of contents/container in accordance with the local regulations.

2.3 Other dangers:

Results of PBT and vPvB assessment PBT / vPvP: not applicable.

2. Composition/information on ingredients:

Chemical characterization:

Description: mixture

Hazardous ingredients:

When used as directed and according to current knowledge, this product is not expected to present a hazard from its ingredients.

Additional information:

If hazardous ingredients are mentioned, please see chapter 16 for the wording of the listed hazard statements.

Substances with occupational exposure limits (OEL) are listed in Chapter 8.

4. First aid measures:

Description of first aid measures.

General information: no special measures required.

After inhalation: no special measures required.

Supply fresh air.

After skin contact: wash off immediately with soap and water and rinse thoroughly.

After eye contact: rinse opened eye for several minutes under running water.

After ingestion: do not induce vomiting; call for medical help immediately.

Information for doctor: symptomatic treatment

Most important symptoms and effects, both acute and delayed.

Symptoms and effects: no further relevant information available.

Indication of any immediate medical attention and special treatment needed

Special treatment: no further relevant information available.

5. Fire-fighting measures:

Extinguishing media

Suitable extinguishing media: CO₂, sand, extinguishing powder.

Use fire extinguishing measures suitable to surrounding conditions.

Extinguishing media unsuitable for safety reasons: water in full jet is not suitable.

Special hazards arising from the substance or mixture:

Formation of toxic gases possible during heating or in case of fire.

Nitrogen oxides (NO_x)

Carbon monoxide (CO)

sulfur oxides (SO_x)

Advices for firefighters

Special protective equipment: wear self-contained respiratory protective device.

Do not inhale explosion and fire gases. Wear full protective suit.

Further information: Fire residues and contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures:

Personal precautions, protective equipment and emergency procedures to be followed

Wear personal protective equipment. Special slip hazard due to leaked/spilled product. Wear personal protective clothing.

Environmental precautions: Do not allow to enter drains/surface or waters/groundwater.

Methods and material for containment and cleanup:

Absorb with liquid-binding material (sand, diatomaceous earth, acid binders, universal binders).

Dispose of contaminated material as waste according to section 13.

Reference to other sections: see section 7 for more safe handling information.

see Section 8 for information on personal protective equipment.

see Section 13 for disposal information.

7. Handling and storage:

Precautions for safe handling: store in cool, dry place in tightly closed receptacles

No special precautions are necessary if used correctly.

Information about fire - and explosion protection: Fire class EN 2: B

Handling: When handling product in drums use safety footwear and suitable tools. At work please do not eat, drink or smoke.

Conditions for safe storage, including any incompatibilities**Storage:**

Requirements to be met by storerooms and receptacles: Store only in the original receptacle.

Provide floor trough without outlet.

Prevent any seepage into the ground.

Use only receptacles specifically permitted for this substance/product.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

Store away from water.

Further information about storage conditions: recommended storage temperature: 5 to 40 °C

Shelf life from date of dispatch: max. 3 years

Specific end use(s): for more information see technical information

8. Exposure controls/personal protection:**Control parameters**

Ingredients with limit values that require monitoring at the workplace:

Ingredients with biological limit values:

Additional occupational exposure limit values for possible hazards during processing: TLV-TWA oil mist 5 mg/m³ (USA, ACGIH)

Additional information: The lists valid during the making were used as basis.

If formation of steam, mist or aerosols take place the concentration in the air has to be kept at the lowest possible level.

Exposure controls:

Appropriate engineering controls: no further data; see section 7

Individual protection measures, such as personal protective equipment

General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals. Wash hands before breaks and at the end of work.

Avoid close or long term contact with the skin.

Respiratory protection: No respiratory protection is ordinarily required under normal conditions of use. Select a filter suitable for combined particulate/gases and organic vapours (boiling point > 65°C, AP2, EN 14387), if exposure limit is exceeded or when aerosol or mist is formed.

Hand protection: Safety gloves of nitrile rubber or viton. Preventive skin protection by use of skin-protecting agents is recommended.

Material of gloves: Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the materials, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Value for the permeation: Level = 6 (480 min)

Eye/face protection: Goggles recommended during refilling.

Body protection: protective work clothing

9. Physical and chemical properties:

Information on basic physical and chemical properties

General information

Physical state:

fluid

Colour

yellow

Odeur

characteristic

Odeur threshold

not determined

Melting point/freezing point

not determined

Boiling point or initial boiling point and boiling range

not determined

Flammability

not applicable

Lower and upper explosion limit

lower:

0.6 Vol. % (typ.)

upper:

7.0 Vol. % (typ.)

Flash point

> 220°C (DIN EN ISO 2592)

Auto-ignition temperature

not determined

Decomposition temperature

not determined

pH

kinematic viscosity at 40°C:

315mm²/s (DIN EN ISO 3104)

dynamic:

not determined

Solubility

Water:

not miscible or difficult to mix

partition coefficient n-octanol/water (log value)

not determined

Vapour pressure:

not determined

Density and/or relative density

density at 15°

0.9g/cm³ (DIN 51757)

relative density

not determined

Vapour density

not determined

Other information

Appearance

Form:

fluid

Important information on protection of health and environment, and on safety

Explosive properties:

The product shows no danger of explosion, but it may build explosive mixtures with air (by vaporisation, oil mist formation, heating above the flash point).

Change in condition

Drip point:

not determined

Pour point:

≤ -12°C (DIN ISO 3016)

Evaporation rate

not determined

Information with regard to physical hazard classes

Explosives

void

Flammable gases

void

Aerosols

void

Oxidising gases

void

Gases under pressure

void

Flammable liquid

void

Flammable solids

void

Self-reactive substances and mixtures

void

Pyrophoric liquids

void

Pyrophoric solids

void

Self-heating substances and mixtures

void

Substances and mixtures, which emit flammable gases in contact with water

void

Oxidising liquid

void

Oxidising solids

void

Organic peroxides

void

Corrosive to metals

void

Desensitised explosives

void

10. Stability and reactivity:

Reactivity: see 10,2 to 10.6

Chemical stability stable at normal conditions

Thermal decomposition / conditions to be avoided: Avoid contact with heat, sparks, flames and all other sources of ignition.

Possibility of hazardous reactions: Reacts with strong oxidising agents.

Conditions to avoid no specific data available

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

Additional information: Product is not classified as inflammable but can burn.

11. Toxicological information:

Information on hazard classes as defined in

Regulation (EC) no. 1272/2008

These statements are based on data for components of the material or for similar materials.

Acute toxicity:

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

LD/LC50 values relevant for classification		
CAS: 68955-53-3 C10-14-tert-Alkylamine		
Oral	LD50	612 mg/kg (rat)
Dermal	LD50	251 mg/kg (rat)
Inhalative	LD50/4h	1.19 mg/l (rat)

Skin corrosion/irritation

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

Serious eye damage/irritation

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

By inhalation

No irritant effect expected.

Respiratory or skin sensitisation

Based on experimental data no skin sensitizing effects caused by potentially sensitizing components are expected.

Germ cell mutagenicity

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

Carcinogenicity

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

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

Aspiration hazard

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

Subacute to chronic toxicity

Prolonged and/or repeated contact may cause defatting of the skin which can lead to dermatitis and may make the skin more susceptible to irritation and penetration by other materials.

CAS: 68955-53-3 C10-14-tert-Alkylamine

Dermal	NOAEL (chronic)	20 mg/kg (rat)
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Additional toxicological information

The product shows the following dangers according to the calculation method of regulation (EC) no. 1272/2008 as issued in the latest version: Can lead to skin sensitisation in case of sensitive individuals. These statements are based on data for components of the material or for similar materials.

12. Ecological information:

Toxicity

Aquatic toxicity

CAS: 68955-53-3 C10-14-tert-Alkylamine

NOEC	0.078 mg/l /60 d (Oncorhynchus mykiss) (OECD 210)
NOEC/72h	0.05 mg/l (Pseudokirchneriella subcapitata) (OECD 201)

Persistence and degradability

No further relevant information available.

Bioaccumulative potential

No further relevant information available.

Mobility in soil

The product is not soluble in water. If it enters soil, it will adsorb to soil particles and will not be mobile.

Results of PBT- and vPvB-assessment

PBT: not applicable

vPvB: not applicable

Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

Other adverse effects:

Additional ecological information

General notes

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

13. Disposal considerations:

Waste treatment methods

Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

The recommended waste code refers to the product as delivered.

The assignment of the waste code number according to the application is to be conducted in individual cases by the waste producer based on the European Waste Code Catalogue in coordination with the regional disposal company and with aspects specific to the sector and process in mind.

13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
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Uncleaned packaging

Empty packing completely. Handover to authorized disposal company.

Recommendation

Disposal must be made according to official regulations.

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

14. Transport information:

UN-Nummer or ID number ADR, IMDG, IATA

void

UN proper shipping name ADR, IMDG, IATA

void

Transport hazard classes ADR, ADN, IMDG, IATA

void

Packing group

ADR, IMDG, IATA

void

Environmental hazards:

Marine pollutant:

no

Special precautions for user

not applicable

Maritime transport in bulk according to IMO instruments

not applicable

UN „Model Regulation“

not applicable

15. Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture****DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment –Annex II**

None of the ingredients is listed.

Regulation (EU) 2019/1148**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations:**Waterhazard class**Water hazard class 1 (German regulation)
(Self-assessment): slightly hazardous for water**Chemical safety assessment**

A chemical safety assessment has not been carried out.

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.

Recommendation of the manufacturer:

Absorb spilled liquid media with AVILUB SUPER-SORB and dispose in accordance with local regulations. For skin protection when handling water-mixable and not-water-mixable media we recommend application of COVER SKIN.

Relevant phrasesH302 Harmful if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H330 Fatal if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Department issuing SDS: Department product safety

Abbreviations and acronyms:

PBT: persistent, bioaccumulative and toxic

ADR: accord relatif au transport international des marchandises dangereuses par route (European Agreement concerning the international carriage of dangerous goods by road)

IMDG: International Maritime Code for dangerous goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: chemical abstracts service (division of the american Chemical Society)

LC50: lethal concentration, 50 percent

LD50: lethal dose, 50 percent

vPvB: very persistent and very bioaccumulative

Acute Tox. 4: acute toxicity – category 4

Acute Tox. 3: acute toxicity – category 3

Acute Tox. 2: acute toxicity – category 2

Skin Corr. 1B: skin corrosion/irritation – category 1B

Eye Dam. 1: serious eye damage/eye irritation – category 1

Skin Sens. 1A: skin sensitisation – category 1A

Aquatic acute 1: hazardous to the aquatic environment - acute aquatic hazard – category 1

Aquatic chronic 1: hazardous to the aquatic environment - long-term aquatic hazard – category 1

*** Data compared to the previous version altered.**

****Information about the version number:** Replaces all previous versions.