

## Sicherheits-Datenblatt NEFF Grease 2

gemäß 1907/2006/EG, Artikel 31 bzw. 453/2010/EG

### 1. Bezeichnung des Stoffs bzw. des Gemischs und des Unternehmens:

#### Produktidentifikator

**Handelsname:** NEFF Grease 2

**Verwendung:** Schmierfett

**Artikelnummer Herstellerzeugnis:** 6604

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

**Verwendungen, von denen abgeraten wird:**

Keine weiteren relevanten Informationen verfügbar.

### Einzelheiten zum Lieferanten, der das Sicherheitsdatenblatt bereitstellt:

**Hersteller/Lieferant:** Neff Gewindetribe GmbH  
Karl-Benz-Straße 24  
71093 Weil im Schönbuch  
Deutschland  
Tel: +49 (0) 7157 538900  
Fax: +49(0) 7157 5389025  
Email: [info@neff-gt.de](mailto:info@neff-gt.de)  
[www.neff-gewindetribe.de](http://www.neff-gewindetribe.de)

**Auskunftgebender Bereich:** Abteilung: Sicherheit / Umweltschutz  
Für Notfälle:  
24-Stunden-Notruf CHEMTREC:  
+1-703-527-3887  
0800-181-7059 (Deutschland)  
+31-858880596 (Niederlande)  
+41-435082011 (Schweiz)

### 2. Mögliche Gefahren:

#### **2.1 Einstufung des Stoffs oder Gemischs**

Einstufung gemäß Verordnung (EG) Nr. 1272/2008

Eye Irrit. 2 H319 Verursacht schwere Augenreizung.

#### **2.2 Kennzeichnungselemente**

Kennzeichnung gemäß Verordnung (EG) Nr.

1272/2008 Das Produkt ist gemäß CLP-Verordnung eingestuft und gekennzeichnet.



Gefahrenpiktogramme:

Signalwort Achtung

Gefahrenhinweise H319 Verursacht schwere Augenreizung.

Sicherheitshinweise P280 Schutzhandschuhe/Schutzkleidung/Augenschutz/Gesichtsschutz tragen.

P264 Nach Gebrauch gründlich waschen.

P305+P351+P338 BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser spülen. Vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter spülen.

P337+P313 Bei anhaltender Augenreizung: Ärztlichen Rat einholen/ärztliche Hilfe hinzuziehen.

P501 Entsorgung des Inhalts / des Behälters gemäß den örtlichen Vorschriften.

**2.3 Sonstige Gefahren:** Ergebnisse der PBT- und vPvB-Beurteilung PBT / vPvP: Nicht anwendbar.

### **3. Zusammensetzung/Angaben zu Bestandteilen:**

#### **Chemische Charakterisierung:**

**Beschreibung:** Mischung aus Basisölen, Verdickern und Additiven.

#### **Gefährliche Inhaltsstoffe:**

CAS: 4259-15-8

EINECS: 224-235-5

Reg.nr.: 01-2119493635-27

Zinkbis[O,O-bis(2-ethylhexyl)]bis(dithiophosphat)

Xi R41; N R51/53

Eye Dam. 1, H318; Aquatic Chronic 2, H411

2,5%

**Zusätzliche Hinweise:** Falls gefährliche Inhaltsstoffe genannt sind, ist der Wortlaut der angeführten Gefahrenhinweise Kapitel 16 zu entnehmen.

Stoffe mit Arbeitsplatzgrenzwerten (AGW) werden unter Kapitel 8 genannt.

### **4. Erste-Hilfe-Maßnahmen:**

#### **Beschreibung der Erste-Hilfe-Maßnahmen**

**Allgemeine Hinweise:** Keine besonderen Maßnahmen erforderlich.

**Nach Einatmen:** Keine besonderen Maßnahmen erforderlich.

Für Frischluft sorgen.

**Nach Hautkontakt:** Sofort mit Wasser und Seife abwaschen und gut nachspülen.

**Nach Augenkontakt:** Augen bei geöffnetem Lidspalt mehrere Minuten mit fließendem Wasser spülen.

**Hinweise für den Arzt:** Symptomatische Behandlung

#### **Wichtigste akute und verzögert auftretende**

**Symptome und Wirkungen:** Keine weiteren relevanten Informationen verfügbar.

#### **Hinweise auf ärztliche Soforthilfe oder**

**Spezialbehandlung:** Keine weiteren relevanten Informationen verfügbar.

### **5. Maßnahmen zur Brandbekämpfung:**

#### **Löschmittel**

**Geeignete Löschmittel:** CO<sub>2</sub>, Sand, Löschpulver.

Feuerlöschmaßnahmen auf die Umgebung abstimmen.

**Aus Sicherheitsgründen ungeeignete Löschmittel:** Nicht geeignet ist Wasser im Vollstrahl.

#### **Besondere vom Stoff oder Gemisch ausgehende**

**Gefahren:** Beim Erhitzen oder im Brandfalle Bildung giftiger Gase möglich.

Stickoxide (NO<sub>x</sub>)

Kohlenmonoxid (CO)

Schwefeloxide (SO<sub>x</sub>)

#### **Hinweise für die Brandbekämpfung**

**Besondere Schutzausrüstung:** Umgebungsluftunabhängiges Atemschutzgerät tragen.

Explosions- und Brandgase nicht einatmen.

Vollschutzanzug tragen.

**Weitere Angaben:** Brandrückstände und kontaminiertes Löschwasser müssen entsprechend den behördlichen Vorschriften entsorgt werden.

## 6. Maßnahmen bei unbeabsichtigter Freisetzung:

### **Personenbezogene Vorsichtsmaßnahmen, Schutzausrüstungen und in Notfällen**

**anzuwendende Verfahren** Persönliche Schutzkleidung tragen.

**Umweltschutzmaßnahmen:** Nicht in die Kanalisation/Oberflächenwasser/Grundwasser gelangen lassen.

### **Methoden und Material für Rückhaltung und**

**Reinigung:** Mechanisch aufnehmen.

**Verweis auf andere Abschnitte** Informationen zur sicheren Handhabung siehe Abschnitt 7.

Informationen zur persönlichen Schutzausrüstung siehe Abschnitt 8.

Informationen zur Entsorgung siehe Abschnitt 13.

## 7. Handhabung und Lagerung:

**Handhabung:** Bei der Handhabung schwerer Gebinde müssen Sicherheitsschuhe und geeignete Werkzeuge verwendet werden. Keine produktgetränkten Putzlappen in der Kleidung mitführen. Bei der Arbeit nicht essen, trinken, rauchen oder schnupfen.

**Schutzmaßnahmen zur sicheren Handhabung:** Behälter dicht geschlossen halten.

**Hinweise zum Brand- und Explosionsschutz:** Keine besonderen Maßnahmen erforderlich.

**Bedingungen zur sicheren Lagerung unter Berücksichtigung von Unverträglichkeiten**

**Lagerung:**

**Anforderung an Lagerräume und Behälter:** Nur im Originalgebinde aufbewahren.

Eindringen in den Boden sicher verhindern.

**Zusammenlagerungshinweise:** Getrennt von Lebensmitteln lagern.

Getrennt von Oxidationsmitteln aufbewahren.

Getrennt von Wasser aufbewahren.

**Weitere Angaben zu den Lagerbedingungen:** Empfohlene Lagertemperatur 5 bis 40 °C.

**Lagerdauer ab Warenausgang:** Maximal 3 Jahre

**Lagerklasse:**

**Klassifizierung nach Betriebssicherheitsverordnung**

**(BetrSichV):** -

**Spezifische Endanwendungen** Weitere Informationen können der Technischen Information entnommen werden.

## 8. Begrenzung und Überwachung der Exposition/Persönliche Schutzausrüstungen:

**Zusätzliche Hinweise zur Gestaltung technischer**

**Anlagen:** Keine weiteren Angaben, siehe Punkt 7.

**Zu überwachende Parameter**

**Bestandteile mit arbeitsplatzbezogenen, zu überwachenden Grenzwerten:**

**Zusätzliche Expositionsgrenzwerte bei möglichen**

**Verarbeitungsgefahren:** TLV-TWA Ölnebel 5 mg/m<sup>3</sup>

**Zusätzliche Hinweise:** Als Grundlage dienen die bei der Erstellung gültigen Listen.

**Begrenzung und Überwachung der Exposition**

**Persönliche Schutzausrüstung:**

**Allgemeine Schutz- und Hygienemaßnahmen:** Die üblichen Vorsichtsmaßnahmen beim Umgang mit Chemikalien sind zu beachten.

**Atemschutz:** Bei normalem Umgang ist im Allgemeinen kein Atemschutz notwendig. Bei Überschreitung der Expositionsgrenzwerte, sowie Aerosol- oder Nebelbildung wird Atemschutz (z. B. Halbmaske mit Kombinationsfilter für Partikel, Gase und organische Dämpfe, Sdp. > 65 °C, EN 14387) empfohlen. Regeln für den Einsatz von Atemschutzgeräten sowie Tragezeitbegrenzung gemäß Berufsgenossenschaftliche Regel (BGR) 190 beachten.

**Handschutz:** Schutzhandschuhe aus Nitril oder Viton.

**Handschuhmaterial** Fluorkautschuk (Viton)

Nitrilkautschuk

Die Auswahl eines geeigneten Handschuhs ist nicht nur vom Material, sondern auch von weiteren Qualitätsmerkmalen abhängig und von Hersteller zu Hersteller unterschiedlich. Da das Produkt eine Zubereitung aus mehreren Stoffen darstellt, ist die Beständigkeit von Handschuhmaterialien nicht vorausberechenbar und muß deshalb vor dem Einsatz überprüft werden.

**Durchdringungszeit des Handschuhmaterials:** Die genaue Durchbruchzeit ist beim Schutzhandschuhhersteller zu erfahren und einzuhalten.

Wert für die Permeation: Level = 6 (480 min)

**Augenschutz:** Dichtschließende Schutzbrille mit Seitenschildern.

**Körperschutz:** Arbeitsschutzkleidung

## 9. Physikalische und chemische Eigenschaften:

### Angaben zu den grundlegenden physikalischen und chemischen Eigenschaften

#### Allgemeine Angaben

##### Aussehen:

**Form:** Pastös / **Farbe:** Bernsteinfarben

**Geruch:** Mild / **Geruchsschwelle:** Nicht bestimmt.

**pH-Wert:** Nicht anwendbar.

##### Zustandsänderung

**Schmelzpunkt/Schmelzbereich:** Nicht bestimmt / **Siedepunkt/Siedebereich:** Nicht bestimmt.

**Tropfpunkt:** Nicht bestimmt / **Flammpunkt:** > 200 °C (DIN ISO 2592)

**Entzündlichkeit (fest, gasförmig):** Nicht bestimmt / **Zündtemperatur:** Nicht anwendbar

**Zersetzungstemperatur:** Nicht bestimmt.

**Selbstentzündlichkeit:** Das Produkt ist nicht selbstentzündlich.

**Explosionsgefahr:** Das Produkt ist nicht explosionsgefährlich.

##### Explosionsgrenzen:

**Untere:** Nicht bestimmt.

**Obere:** Nicht bestimmt.

**Dampfdruck:** Nicht anwendbar.

**Dichte bei 20 °C:** 0,94 g/cm<sup>3</sup> (DIN 51 757)

**Relative Dichte** Nicht bestimmt.

**Dampfdichte (Luft=1)** Nicht anwendbar.

**Verdampfungsgeschwindigkeit** Nicht anwendbar.

##### Löslichkeit in / Mischbarkeit mit

**Wasser:** Unlöslich.

**Verteilungskoeffizient (n-Octanol/Wasser):** Nicht bestimmt.

##### Viskosität:

**Dynamisch:** Nicht anwendbar.

**Kinematisch:** Nicht anwendbar.

**Sonstige Angaben** Keine weiteren relevanten Informationen verfügbar.

## 10. Stabilität und Reaktivität:

### Reaktivität

**Chemische Stabilität** Das Produkt ist unter Normalbedingungen stabil.

### Thermische Zersetzung / zu vermeidende

**Bedingungen:** Hitze, Funken, Flammen und andere Zündquellen.

**Möglichkeit gefährlicher Reaktionen:** Reaktionen mit starken Oxidationsmitteln.

**Zu vermeidende Bedingungen** Keine spezifischen Daten vorhanden.

**Unverträgliche Materialien:** Keine weiteren relevanten Informationen verfügbar.

**Gefährliche Zersetzungsprodukte:** Oxide von Kohlenstoff, Stickstoff, Schwefel und Metalloxide.

**Weitere Angaben:** Nicht als entzündlich eingestuft, unterhält jedoch die Verbrennung.

## 11. Toxikologische Angaben:

### Angaben zu toxikologischen Wirkungen

#### Akute Toxizität:

#### Einstufungsrelevante LD/LC50-Werte:

**4259-15-8 Zinkbis[O,O-bis(2-ethylhexyl)]bis(dithiophosphat)**

Oral LD50 > 3000 mg/kg (Ratte)

Dermal LD50 > 5000 mg/kg (Kaninchen)

#### Primäre Reizwirkung:

**an der Haut:** Bei Hautkontakt: Häufiger und lang andauernder Hautkontakt kann Reizung und Hautentzündung verursachen.

**am Auge:** Reizwirkung.

**nach Einatmen:** Reizwirkungen sind nicht zu erwarten.

**Zusätzliche toxikologische Hinweise:** Das Produkt ist nicht kennzeichnungspflichtig aufgrund des Berechnungsverfahrens der Allgemeinen Einstufungsrichtlinie für Zubereitungen der EG in der letztgültigen Fassung.

Bei sachgemäßem Umgang und bestimmungsgemäßer Verwendung verursacht das Produkt nach unseren Erfahrungen und den uns vorliegenden Informationen keine gesundheitsschädlichen Wirkungen.

## 12. Umweltbezogene Angaben:

### Toxizität

#### Aquatische Toxizität:

**4259-15-8 Zinkbis[O,O-bis(2-ethylhexyl)]bis(dithiophosphat)**

EC50/48h 1 - 1,5 mg/l (Daphnia magna)

LC50/96h 10 - 35 mg/l (Pimephales promelas (Elritze))

#### Verhalten in Umweltkompartimenten:

**Bioakkumulationspotenzial:** Keine weiteren relevanten Informationen verfügbar.

**Mobilität im Boden:** Das Produkt ist in Wasser unlöslich. Es wird durch Adsorption an Erdbodenpartikel teilweise immobilisiert.

#### Weitere ökologische Hinweise:

**Allgemeine Hinweise:** Wassergefährdungsklasse 1 (Selbsteinstufung): schwach wassergefährdend  
Nicht in das Grundwasser, in Gewässer oder in die Kanalisation gelangen lassen.

#### Ergebnisse der PBT- und vPvB-Beurteilung

**PBT:** Nicht anwendbar.

**vPvB:** Nicht anwendbar.

**Andere schädliche Wirkungen:** Keine weiteren relevanten Informationen verfügbar.

**13. Hinweise zur Entsorgung:****Verfahren der Abfallbehandlung**

**Empfehlung:** Darf nicht zusammen mit Hausmüll entsorgt werden. Nicht in die Kanalisation gelangen lassen.

**Europäischer Abfallkatalog**

12 01 12\* gebrauchte Wachse und Fette

**Ungereinigte Verpackungen:** Behälter vollständig entleeren. Übergabe an zugelassenes Entsorgungsunternehmen.

**Empfehlung:** Entsorgung gemäß den behördlichen Vorschriften.

Kontaminierte Verpackungen sind optimal zu entleeren, sie können dann nach entsprechender Reinigung einer Wiederverwertung zugeführt werden.

**14. Angaben zum Transport:****UN-Nummer**

ADR, ADN, IMDG, IATA entfällt

**Ordnungsgemäße UN-Versandbezeichnung**

ADR, ADN, IMDG, IATA entfällt

**Transportgefahrenklassen**

ADR, ADN, IMDG, IATA

Klasse entfällt

**Verpackungsgruppe**

ADR, IMDG, IATA entfällt

**Umweltgefahren:**

**Marine pollutant:** Nein

**Besondere Vorsichtsmaßnahmen für den Verwender** Nicht anwendbar.

**Massengutbeförderung gemäß Anhang II des MARPOLÜbereinkommens**

**73/78 und gemäß IBC-Code** Nicht anwendbar.

**15. Rechtsvorschriften**

**Vorschriften zu Sicherheit, Gesundheits- und Umweltschutz/spezifische Rechtsvorschriften für den Stoff oder das Gemisch**

**Nationale Vorschriften:**

**Störfallverordnung:** Produkt unterliegt nicht der Störfall-Verordnung (12. BImSchV).

**Klassifizierung nach Betriebssicherheitsverordnung**

**(BetrSichV):** -

**Wassergefährdungsklasse:** WGK 1 (WGK-Mischungsregel VwVwS): schwach wassergefährdend.

**Stoffsicherheitsbeurteilung** Eine Stoffsicherheitsbeurteilung wurde nicht durchgeführt.

**16. Sonstige Angaben**

Empfehlung des Herstellers:

Ausgelaufene flüssige Medien mit Ölbinder aufnehmen und vorschriftsmäßig entsorgen.

Als Hautschutz bei wassermischbaren und nichtwassermischbaren Medien empfehlen wir den Einsatz von COVER SKIN. Fragen bezüglich

Hautschutz und Handschuhmaterial beantwortet gerne Ihr Technischer Berater.

Die Angaben stützen sich auf den heutigen Stand unserer Kenntnisse, sie stellen jedoch keine Zusicherung von Produkteigenschaften dar

und begründen kein vertragliches Rechtsverhältnis.

**Relevante Sätze** H318 Verursacht schwere Augenschäden.

H411 Giftig für Wasserorganismen, mit langfristiger Wirkung.

R41 Gefahr ernster Augenschäden.

R51/53 Giftig für Wasserorganismen, kann in Gewässern längerfristig schädliche Wirkungen haben.

**Datenblatt ausstellender Bereich:** Abteilung Umweltschutz

**Abkürzungen und Akronyme:** ADR: Accord européen sur le transport 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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

**\* Daten gegenüber der Vorversion geändert**

**\*\*Information zur Versionsnummer:** Ersetzt alle vorigen Versionen.

## Safety data sheet NEFF Food Grease 2

according to Regulation (EC) No. 1907/2006 (REACH)

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

#### Product identifier

- **Trade name:** NEFF Food Grease 2
- **Registration number (REACH):** not relevant (mixture)
- **Relevant identified uses of the substance or mixture and uses advised against:**  
scope lubricant

#### Details of the supplier of the safety data sheet:

Neff Gewindetribe GmbH  
Karl-Benz-Straße 24  
71093 Weil im Schönbuch  
Deutschland  
Tel: +49 (0) 7157 538900  
Fax: +49(0) 7157 5389025  
Email: info@neff-gt.de  
[www.neff-gewindetribe.de](http://www.neff-gewindetribe.de)

#### **Emergency telephone number:**

24-hours-emergency phone number CHEMTREC:  
+1-703-527-3887  
0800-181-7059 (Deutschland)  
+31-858880596 (Niederlande)  
+41-435082011 (Schweiz)

### 2. Hazards identification:

**Classification of the substance or mixture:** Classification according to regulation (EC) no. 1272/2008 (CLP)

This mixture does not meet the criteria for classification in accordance with regulation no. 1272/2008/EC.

**Label elements:** Labelling according to regulation (EC) no. 1272/2008 (CLP) is not required.

**Other hazards:** special danger of slipping by leaking/spilling product

#### **Results of PBT and vPvB assessment**

This mixture does not contain any substances that are assessed to be a PBT or a vPvB. Ce produit ne contient pas «substances extrêmement préoccupantes» (SVHC) qui sont très dangereux pour la santé humaine ou l'environnement. (SVHC <0,1% (g/g) Règlement (CE) n ° 1907/2006 (REACH), article 57).



**3. Composition/information on ingredients:****Substances:** not relevant (mixture)**Mixtures:**

Product description	mixture of mineral oils, thickener, additives and MicPol®
Hazardous ingredients	none

For full text of Hazard- and EU Hazard-statements: see section 16

**4. First aid measures:****Description of first aid measures**

**General notes:** Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

**Following inhalation:** If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

**Following skin contact:** Wash with plenty of soap and water.

**Following eye contact:** Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

**Following ingestion:** Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

**Most important symptoms and effects, both acute and delayed:** Symptoms and effects are not known to date.

**Indication of any immediate medical attention and special treatment needed:** none

**5. Firefighting measures:**

**Extinguishing media:** suitable extinguishing media.

Water spray, BC-powder, carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media:** suitable extinguishing media.  
water jet

**Special hazards arising from the substance or mixture:** hazardous combustion products:  
nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>)

**Advice for firefighters**

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures:**

For non-emergency personnel: remove persons to safety.

For emergency responders: wear breathing apparatus if exposed to vapours/dust/spray/gases.

**Environmental precautions**

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

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

1. **Advice on how to contain a spill:** covering of drains
2. **Advice on how to clean up a spill:** wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder.
3. **Appropriate containment techniques:** use of adsorbent materials.
4. **Other information relating to spills and releases:** place in appropriate containers for disposal. Ventilate affected area.

**Reference to other sections**

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

**7. Handling and storage****Precautions for safe handling****Recommendations:**

- **Measures to prevent fire as well as aerosol and dust generation**

Use local and general ventilation. Use only in well-ventilated areas.

- **Advice on general occupational hygiene**

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedings.

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

**Conditions of storage:** store in accordance with local/regional/national/international regulations. Keep container tightly closed and in a well-ventilated place.

**Managing of associated risks:** flammability hazards; Do not expose to temperatures exceeding 50°C/122°F.

**Specific end use(s):** see section 16 for a general overview

**8. Exposure controls/personal protection**

**Control parameters:** no data available

**Exposure controls**

**General safety precautions:** Use only in well-ventilated areas. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes. Do not eat, drink and smoke in work areas.

**Individual protection measures (personal protective equipment)**

**Eye/face protection:** use protective eyewear to guard against splash of liquids.

**Skin protection:**

**Hand protection: not required**

**Other protection measures:** Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

**Respiratory protection:** not required

**Environmental exposure controls:** Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## 9. Physical and chemical properties

Physical state	liquid (paste)
Colour	white
Odour	odourless
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	not determined
Flammability	this material is combustible, but will not ignite readily
Lower and upper explosion limit	not determined
Flash point	not determined
Auto-ignition temperature	> 300°C (auto-ignition temperature (liquids and gases))
Decomposition temperature	not relevant
pH value	not determined
Kinematic viscosity	not determined
Solubility(ies)	not determined

### Partition coefficient

Partition coefficient n-octanol/water (log value)	this information is not available
Vapour pressure	< 0.1 hPa

### Density and/or relative density

Density	0.95 g/cm <sup>3</sup> at 20°C
Particle characteristics	no data available

## Other information

Information with regard to physical hazard	hazard classes acc. to GHS (physical hazards); not relevant
Other safety characteristics	there is no additional information

## 10. Stability and reactivity

**reactivity:** concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials"

**chemical stability:** The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

**possibility of hazardous reactions:** no known hazardous reactions

**conditions to avoid:** there are no specific conditions known which have to be avoided

**incompatible materials:** oxidisers

**hazardous decomposition products:** hazardous combustion products: see section 5

## 11. Toxicological information

**information on hazard classes as defined in Regulation (EC) no. 1272/2008:** test data are not available for the complete mixture

**classification procedure:** The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

**classification according to GHS (1272/2008/EC, CLP):** This mixture does not meet the criteria for classification in accordance with Regulation no. 1272/2008/EC.

**acute toxicity:** shall not be classified as acutely toxic

**skin corrosion/irritation:** shall not be classified as corrosive/irritant to skin

**serious eye damage/eye irritation:** shall not be classified as seriously damaging to the eye or eye irritant

**respiratory or skin sensitisation:** shall not be classified as a respiratory or skin sensitiser

**germ cell mutagenicity:** shall not be classified as germ cell mutagenic

**carcinogenicity:** shall not be classified as carcinogenic

**reproductive toxicity:** shall not be classified as a reproductive toxicant

**specific target organ toxicity - single exposure:** shall not be classified as a specific target organ toxicant (single exposure)

**specific target organ toxicity - repeated exposure:** shall not be classified as a specific target organ toxicant (repeated exposure)

**aspiration hazard:** shall not be classified as presenting an aspiration hazard

**information on other hazards:** there is no additional information

## 12. Ecological information

**Toxicity:** shall not be classified as hazardous to the aquatic environment

**Persistence and degradability:** data are not available

**Bioaccumulative potential:** data are not available

**Mobility in soil:** data are not available

**Results of PBT and vPvB assessment:** data are not available

**Endocrine disrupting properties:** none of the ingredients are listed

**Other adverse effects:** data are not available

### 13. Disposal considerations

#### Waste treatment methods

**Sewage disposal-relevant information:** Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

**Waste treatment of containers/packagings:** Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

**Relevant provisions relating to waste:** list of washes

**Product:** 20 01 26\* oil and fat other than those mentioned in 20 01 25

**Remarks:** Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

### 14. Transport information

**UN number or ID number:** no subject to transport regulations

**UN proper shipping name:** not assigned

**Transport hazard class(es):** none

**Packing group:** not assigned

**Environmental hazards:** non-environmentally hazardous acc. to the dangerous goods regulations

**Special precautions for user:** there is no additional information

**Maritime transport in bulk according to IMO instruments:** The cargo is not intended to be carried in bulk

#### Information for each of the UN Model Regulations:

**Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - Additional information:** not assigned

**International Maritime Dangerous Goods Code (IMDG) - additional information:** not subject to IMDG

**International Civil Aviation Organization (ICAO-IATA/DGR) - additional information:** not subject to ICAO-IATA

### 15. Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**Relevant provisions of the European Union (EU)**

**Restrictions according to REACH, Annex XVII**

none of the ingredients are listed

## Seveso Directive

2012/18/EU (Seveso III)		
No.	Dangerous substance/hazard/categories	Qualifying quantity (tonnes) for the application of lower and upper tier requirements
	not assigned	

## Directive on industrial emissions (VOCs, 2010/75/EU)

VOC content	0%
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**Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS) - Annex II:** none of the ingredients are listed

**Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR):** none of the ingredients are listed

## National inventories

Country	Inventory	Status
CA	DSL	all ingredients are listed
EU	REACH Reg.	all ingredients are listed or exempt from listing
US	TSCA	all ingredients are listed

### Legend:

DSL	Domestic Substances List (DSL)
REACH Reg.	REACH registered substances
TSCA	Toxic Substance Control Act

**Chemical Safety Assessment:** chemical safety assessments for substances in this mixture were not carried out

## 16. Other information

### Abbreviations and acronyms:

Abbr.	Descriptions of used abbreviations
ADN	according to européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European agreement concerning the International carriage of dangerous goods by Inland Waterways)
ADR	according to européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
CLP	regulation (EC) no. 1272/2008 on classification, labelling and packaging of substances and mixtures
DGR	dangerous goods regulations (see IATA/DGR)
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations

IATA	international Air Transport Association
IATA/DGR	dangerous goods regulations (DGR) for the air transport (IATA)
ICAO	international civil aviation organization
IMDG	international maritime dangerous goods code
PBT	persistant, bioaccumulative and toxic
REACH	registration, evaluation, authorisation and restriction of chemicals
RID	règlement concernant le transport international ferroviaire des marchandises dangereuses (regulations concerning the international carriage of dangerous goods by rail)
VOC	volatile organic compounds
vPvB	very persistant and very bioaccumulative

**Key literatur references and sources for data**

Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) no. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International maritime dangerous goods code (IMDG). Dangerous goods regulations (DGR) for the air transport (IATA).

**Classification procedure**

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

**Disclaimer**

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

## Safety data sheet NEFF GREASE 2-3

according to 1907/2006/EC, article 31

### 1. Identification of the substance/preparation and of the company/undertaking:

- **Product details:**
- **Application of the substance / the preparation: Grease DIN 51825 KPF2-3N-30.**
- **Further information obtainable from: Product safety department.**

**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

### 2. Hazards identification:

**Hazard description:**

not applicable

**Information concerning particular hazards for human 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 is according to the latest editions of the EU-lists, and extended by company and literature data.

### 3. Composition/information on ingredients:

**Chemical characterization:**

**Description:** Mixture of mineral and synthetic oil, lithiumcomplex thickener, Teflon® and additives.

**Dangerous components:** void

**Additional information:** For the wording of the listed risk phrases refer to section 16.



**4. First aid measures:**

**After inhalation:** No special measures required.

**After skin contact:** Generally the product does not irritate the skin.

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

**After swallowing:** Do not induce vomiting; call for medical help immediately.

**5. Fire-fighting measures:**

**Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

**For safety reasons unsuitable extinguishing agents:** water with full jet

**Protective equipment:** No special measures required

**6. Accidental release measures:**

**Personal-related safety precautions:** not required

**Measures for environmental protection:** Do not allow to enter sewers/surface or ground water.

**Measures for cleaning/collecting:** pick up mechanically

**Additional information:** No dangerous substances are released.

**7. Handling and storage:****Handling:**

**Information for safe handling:** No special measures required

**Information about fire - and explosion protection:** No special measures required.

**Storage:**

**Requirements to be met by storerooms and receptacles:** no special requirements.

**Information about storage in one common storage facility:** not required

**Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

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

**Additional information about design of technical facilities:** no further data; see item 7.

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

**Personal protective equipment:****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals. Do not eat, drink, smoke or sniff while working. Wash hands before breaks and at end of work.

**Respiratory protection:** not required

**Protection of hands:** not required

**Material of gloves:** not required

**Penetration time of glove material:** not required

**Eye protection:** not required

**9. Physical and chemical properties:****General information**

**Form:** solid, grease

**Colour:** light brown

**Odour:** oily

**Change in condition:**

**Melting point/melting range:** -25 °C

**Boiling point/boiling range:** > 300 °C

**Flash point:** > 250 °C

**Pourpoint:** <-12° / **Flammpunkt:** > 220 °C (DIN ISO 2592)

**Self-igniting:** > 300 °C

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

**Vapour pressure:****Density:** 0,92 g/ml**Solubility in / miscibility with:****water:** insoluble**viscosity:****dynamic:** 2-3 NLGI**10. Stability and reactivity:****Thermal decomposition / conditions to be avoided:** > 250°C

Conditions to be avoided: open fire.

**Materials to be avoided:** Strong acids, strong lye's and strong oxidising agents.**Dangerous reactions:** No dangerous reactions known.**Dangerous decomposition products:** Thermal decomposition or combustion can release carbon monoxide and partly burned hydrocarbons (from 400°C fluor compounds can be released in small amounts).**11. Toxicological information:****Acute toxicity:****Primary irritant effect:****on the skin:** no irritating effect**on the eye:** no irritating effect**Sensitization:** no sensitizing effects known**Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

**12. Ecological information:****General notes:**

Water hazard class 1 (German regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**13. Disposal Considerations:****Product:**

**Recommendation:** Smaller quantities can be disposed of with household waste.

**European waste catalogue:** 20 01 26 oil and fat other than those mentioned in 20 01 25

**Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

**14. Transport information:****Land transport ADR/RID (cross-border):**

**ADR/RID class:** not classified

**Maritime transport IMDG:**

**IMDG Class:** not classified

**Marine pollutant:** no

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

**ICAO/IATA Class:** not classified

## **15. Regulatory information**

### **Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

### **Special labelling of certain preparations:**

Safety data sheet available for professional user on request.

### **National regulations:**

#### **Waterhazard class:**

Water hazard class 1 (Self-assessment): slightly hazardous for water.

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.

## **16. Other informations**

Department issuing MSDS: Product safety department.

### **Last Update: 01.06.2010**

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties. We do not take on any responsibility for any risks coming from variations or unknown effects of the characteristics of raw materials (alone or in association), and from a different use of the product from the one prescribed.

## 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:** CO<sub>2</sub>, 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<sub>x</sub>)

Carbon monoxide (CO)

sulfur oxides (SO<sub>x</sub>)

### 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/m<sup>3</sup> (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

<b>Physical state:</b>	fluid
<b>Colour</b>	yellow
<b>Odeur</b>	characteristic
<b>Odeur threshold</b>	not determined
<b>Melting point/freezing point</b>	not determined
<b>Boiling point or initial boiling point and boiling range</b>	not determined
<b>Flammability</b>	not applicable
<b>Lower and upper explosion limit</b>	
<b>lower:</b>	0.6 Vol. % (typ.)
<b>upper:</b>	7.0 Vol. % (typ.)
<b>Flash point</b>	> 220°C (DIN EN ISO 2592)
<b>Auto-ignition temperature</b>	not determined
<b>Decomposition temperature</b>	not determined
<b>pH</b>	
<b>kinematic viscosity at 40°C:</b>	315mm <sup>2</sup> /s (DIN EN ISO 3104)
<b>dynamic:</b>	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/cm<sup>3</sup> (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

## 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 phrases**H302 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.

Sicherheits-Datenblatt NEFF Grease 000 SD 311019

Ersteller: Kausche

Seite 1 von 12

## Safety data sheet NEFF Grease 000

according to 1907/2006/EC, Article 31

### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Trade name: NEFF Grease 000

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

<b>Application of the substance / the preparation:</b>	grease
<b>Uses advised against:</b>	no further relevant information available

#### 1.3. Details of the supplier of the safety data sheet

**Manufacturer/Supplier:**

Neff Gewindetriebe GmbH

Karl-Benz-Straße 24

71093 Weil im Schönbuch

Deutschland

Tel: +49 (0) 7157 538900

Fax: +49(0) 7157 5389025

Email: info@neff-gt.de

[www.neff-gewindetriebe.de](http://www.neff-gewindetriebe.de)

<b>Further information obtainable from:</b>	Product safety department.
---	----------------------------

### 2. Hazards identification

#### 2.1. Classification of the substance or mixture

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

The product is not classified, according to the CLP regulation

#### 2.2. Label elements

**Labelling according to Regulation (EC) No 1272/2008:****Hazard pictograms:**

Void

**Signal word:**

Void

**Hazard statements:**

Void

**Precautionary statements:**

Void

P501 Dispose of contents/container in accordance with local regulations



Sicherheits-Datenblatt NEFF Grease 000 SD 311019

Ersteller: Kausche

Seite 2 von 12

**Additional information:**

EUH208 Contains Calcium sulfonate, SCL&lt;10%. May produce an allergic reaction. EUH210 Safety data sheet available on request

**2.3 Other hazards**
**Results of PBT and vPvB assessment**
**PBT:**

Not applicable

**vPvB:**

Not applicable

**3. Composition/information on ingredients**
**3.1. Mixture**
**Description:**

Mixture of base oils with thickener and additives

**Dangerous components:**

CAS: 4259-15-8 EINECS: 224-235-5 Reg.nr.: 01-2119493635-27	Polysulfide, Di-tert-dodecyl- ----- CAS: 68425-15-0, EINECS/ELINCS: 270-335-7 ----- GHS/CLP: Aquatic Chronic 4: H413	Content: 1-10%
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**Additional information:**

The wording of the hazard symbols and H-phrases is specified in section 16 if dangerous ingredients are mentioned. Components with threshold limit values are mentioned at section 8.

**4. First aid measures**
**4.1. Description of first aid measures**
**General information:**

No special measures required

**After inhalation:**

Supply fresh air

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly

**After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor

Sicherheits-Datenblatt NEFF Grease 000 SD 311019

Ersteller: Kausche

Seite 3 von 12

**After swallowing:**

Do not induce vomiting; call for medical help immediately

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

No further relevant information available

**Information for doctor:**

Treat symptomatically

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

No further relevant information available

**5. Fire fighting measures****5.1. Extinguishing media****Suitable extinguishing agents:**CO<sub>2</sub>, sand, extinguishing powder;  
Use fire extinguishing methods suitable to surrounding conditions**For safety reasons unsuitable extinguishing agents:**

Do not use water with full jet

**5.2. Special hazards arising from the substance or mixture:**In case of fire, the following can be released:  
Nitrogen oxides (NO<sub>x</sub>)  
Carbon monoxide (CO)  
Sulphur oxide (SO<sub>x</sub>)**5.3. Advice for firefighters****Protective equipment:**Wear self-contained respiratory protective device.  
Do not inhale explosion gases or combustion gases.  
Wear fully protective suit.**Additional information:**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

**6. Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures:**

Wear protective clothing

Sicherheits-Datenblatt NEFF Grease 000 SD 311019

Ersteller: Kausche

Seite 4 von 12

- 6.2. Environmental precautions:** Do not allow to enter sewers, surface or ground water
- 6.3. Methods and material for containment and cleaning up:** Pick up mechanically; Dispose of the material collected according to regulations
- 6.4. Reference to other sections:** See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment. See Section 13 for disposal information

## 7. Accidental release measures

- 7.1. Precautions for safe handling:** Store in cool, dry place in tightly closed receptacles.  
No special precautions are necessary if used correctly
- Handling:** When handling product in drums use safety footwear and suitable tools. At work please do not eat, drink or smoke
- Information about fire - and explosion protection:** Fire class DIN EN 2: B
- 7.2. Conditions for safe storage, including any incompatibilities storage:**
- Requirements to be met by storerooms and receptacles:** Store only in the original receptacle;  
Prevent any seepage into the ground
- 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:** Protect from humidity and water;  
Recommended storage temperature: 5 to 40°C
- Shelf life from date of dispatch:** Maximum 3 years
- 7.3 Specific end use(s):** For more information see technical information

Sicherheits-Datenblatt NEFF Grease 000 SD 311019

Ersteller: Kausche

Seite 5 von 12

**8. Exposure controls/personal protection****Additional information about design of technical facilities:**

No further data; see section 7.

**8.1. Control parameters:****Ingredients with limit values that require monitoring at the workplace****Additional occupational exposure limit values for possible hazards during processing:**TLV-TWA oil mist 5 mg/m<sup>3</sup>**Additional information:**

The lists valid during the making were used as basis

**8.2. Exposure controls****Personal protective equipment****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals  
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

**Protection of hands:**

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 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)

Sicherheits-Datenblatt NEFF Grease 000 SD 311019

Ersteller: Kausche

Seite 6 von 12

<b>Eye protection:</b>	Safety glasses with side shields or chemical goggles are required
<b>Body protection:</b>	Protective work clothing

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### General Information

<b>Appearance:</b>	
<b>Form:</b>	Pasty
<b>Colour:</b>	Natural color
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined
<b>pH-value:</b>	Not applicable
<b>Change in condition</b>	
<b>Melting point/freezing point:</b>	Not determined.
<b>Initial boiling point and boiling range:</b>	> 250 °C
<b>Drip point:</b>	> 200 °C (DIN ISO 2176)
<b>Flash point:</b>	> 200 °C
<b>Flammability (solid, gas):</b>	Not determined Not applicable
<b>Ignition temperature:</b>	Not determined
<b>Decomposition temperature:</b>	Not determined
<b>Auto-ignition temperature:</b>	Product is not selfigniting Not determined
<b>Explosion limits:</b>	
<b>Lower:</b>	Not determined
<b>Upper:</b>	Not determined
<b>Vapour pressure:</b>	Not applicable
<b>Density at 20 °C:</b>	~ 0.93 g/cm <sup>3</sup> (DIN 51 757)
<b>Relative density:</b>	Not determined

Sicherheits-Datenblatt NEFF Grease 000 SD 311019

Ersteller: Kausche

Seite 7 von 12

<b>Vapour density:</b>	Not applicable
<b>Evaporation rate:</b>	Not applicable
<b>Solubility in / Miscibility with water:</b>	Insoluble
<b>Partition coefficient: n-octanol/water:</b>	Not determined
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined Not applicable
<b>Kinematic at 40 °C:</b>	100 mm <sup>2</sup> /s (DIN 51 562 base oil)
<b>9.2. Other information:</b>	No further relevant information available

## 10. Stability and reactivity

<b>10.1. Reactivity See:</b>	10.2 to 10.6 No further relevant information available
<b>10.2. Chemical stability:</b>	Stable at normal conditions.
<b>Thermal decomposition/conditions to be avoided:</b>	Avoid contact with heat, sparks, flames and all other sources of ignition
<b>10.3. Possibility of hazardous reactions:</b>	Reacts with strong oxidising agents
<b>10.4. Conditions to avoid:</b>	No specific data available
<b>10.5. Incompatible materials:</b>	No further relevant information available
<b>10.6. Hazardous decomposition products:</b>	Oxides of carbon, nitrogen, sulfur and metal oxides

## 11. Toxicological information

<b>11.1. Information on toxicological effects</b>	These statements are based on data for components of the material or for similar materials
<b>Acute toxicity:</b>	Based on available data, the classification criteria are not met

Sicherheits-Datenblatt NEFF Grease 000 SD 311019

Ersteller: Kausche

Seite 8 von 12

**LD/LC50 values relevant for classification:**

**4259-15-8 Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)**

Oral • LD50 • >3,000 mg/kg (rat)

Dermal • LD50 • >5,000 mg/kg (rabbit)

**Primary irritant effect:**

**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:**

There are no indications for a sensitising potential of the product. Contains substances with sensitising potential in low concentration

**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

**Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

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

**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.

Sicherheits-Datenblatt NEFF Grease 000 SD 311019

Ersteller: Kausche

Seite 9 von 12

**Aspiration hazard:**

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

**12. Ecological information****12.1. Toxicity****Aquatic toxicity****4259-15-8 Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)**

- |          |   |                                  |
|----------|---|----------------------------------|
| EC50/48h | ● | 1-1.5 mg/l (Daphnia magna)       |
| LC50/96h | ● | 10-35 mg/l (Pimephales promelas) |

**12.2. Persistence and degradability:**

No further relevant information available

**12.3. Bioaccumulative potential:**

No further relevant information available

**12.4. 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

**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

**12.5. Results of PBT and vPvB assessment****PBT:**

Not applicable

**vPvB:**

Not applicable

**12.6. Other adverse effects:**

No further relevant information available

**13. Disposal considerations****13.1 Waste treatment methods****Recommendation**

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



Sicherheits-Datenblatt NEFF Grease 000 SD 311019

Ersteller: Kausche

Seite 10 von 12

**European waste catalogue**

12 01 12*	spent waxes and fats
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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**

**14.1 UN-Number**

ADR, ADN, IMDG, IATA: Void

**14.2 UN proper shipping name**

ADR, ADN, IMDG, IATA: Void

**14.3 Transport hazard class(es)**

ADR, ADN, IMDG, IATA: Void

**14.4 Packing group**

ADR, IMDG, IATA: Void

**14.5 Environmental hazards:**

Marine pollutant: No

**14.6 Special precautions for user**

Not applicable

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

IBC Code: Not applicable

UN "Model Regulation":

Void

Sicherheits-Datenblatt NEFF Grease 000 SD 311019

Ersteller: Kausche

Seite 11 von 12

## 15. Transport information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Directive 2012/18/EU

**Named dangerous substances - ANNEX I**

None of the ingredients is listed

#### National regulations:

**Waterhazard class:**

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

### 15.2 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 OELBINDER 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 phrases:**H318 Causes serious eye damage  
H411 Toxic to aquatic life with long lasting effects**Department issuing SDS:**

Department: Product safety

**Contact:**

hse@bantleon.de

**Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organisation  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)  
ADR: Accord européen sur le transport 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

Sicherheits-Datenblatt NEFF Grease 000 SD 311019

Ersteller: Kausche

Seite 12 von 12

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  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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

**\*\*Information about the version number:**

Replaces all previous versions.