

Safety data sheet NEFF GREASE 2

according to Regulation (EC) No 1907/2006 - DE
(Commission Regulation (EU) 2020/878)

1. name of the substance/mixture and of the company/undertaking:

Product identifier

Trade name: NEFF Grease 2

Use: Grease

Article number Certificate of Conformity: 6604

Relevant identified uses of the substance or mixture and uses advised against:

Uses advised against:

No further relevant information available.

Details of the supplier providing the safety data sheet:

Manufacturer/Supplier: Neff Gewindetriebe GmbH.
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Germany
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Informing department: Department: Safety / Environmental protection
For emergencies:
24-hour emergency call CHEMTREC:
+1-703-527-3887
0800-181-7059 (Germany)
+31-858880596 (Netherlands)
+41-435082011 (Switzerland)

2. possible hazards:

2.1 Classification of the substance or mixture.

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

The product is not classified and labeled according to CLP regulation.

2.2 Label elements

Labeling according to Regulation (EC) No. 1272/2008

Hazard pictograms: not applicable

Signal word: not applicable

Hazard statements: not applicable

Precautionary statements P501 Dispose of contents/container in accordance with local regulations.

Additional information: EUH210 Safety data sheet available on request.

2.3 Other hazards: Results of PBT and vPvB assessment PBT / vPvP: Not applicable.

3. composition/information on ingredients:

Chemical characterization:

Description: Mixture of base oils, thickeners and additives.

Hazardous ingredients:

<p>CAS: 4259-15-8 EINECS: 224-235-5 Reg.nr.: 01-2119493635-27</p>	<p>Zink to[O,O-to(2-ethylhexyl)]to(dithiophosphat) Eye Dam. 1, H318; Aquatic Chronic 2, H411 Specific concentration limit: Eye Dam. 1; H318: C ≥ 50%</p>	<p>≥0.25-<2.5%.</p>
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Additional Notes: If hazardous ingredients are mentioned, refer to Chapter 16 for the wording of the listed

For the wording of the listed hazard statements refer to chapter 16.

Substances with occupational exposure limits (OELs) 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.

Provide fresh air.

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

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

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 or

Special treatment: No further relevant information available.

5. measures for fire fighting:

Extinguishing media

Suitable extinguishing media: CO₂, sand, extinguishing powder.

Adapt fire extinguishing measures to the surroundings.

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

Special hazards arising from the substance or mixture

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

Nitrogen oxides (NO_x)

Carbon monoxide (CO)

sulfur oxides (SO_x)

Phosphorus oxides (P_xO_y)

Advice for firefighters

Special protective equipment: Wear self-contained breathing apparatus.

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.

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6. measures in case of accidental release:

Personal precautions,

Protective equipment and emergency

Procedures to be followed Wear personal protective clothing.

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

Methods and material for containment and

Clean-up: Pick up mechanically.

Reference to other sections See Section 7 for safe handling information.

See Section 8 for information on personal protective equipment.

See Section 13 for disposal information.

7. handling and storage:

Handling: Safety shoes and suitable tools must be used when handling heavy containers.

tools must be used. Do not carry product-soaked rags in clothing.

carry in clothing. Do not eat, drink, smoke or snort while working.

Precautions for safe handling: Keep container tightly closed.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, taking into account incompatibilities.

Storage:

Requirements to be met by storerooms and receptacles: Keep only in original container.

Prevent penetration into the ground safely.

Information on storage in one common storage facility: Store separately from foodstuffs.

Store away from oxidizing agents.

Store away from water.

Further information on storage conditions: Recommended storage temperature 5 to 40 °C.

Storage time from goods issue: Maximum 3 years

Storage class:

Classification according to the German Ordinance on Industrial Safety and Health

(BetrSichV): -

Specific end uses Further information can be found in the Technical Information.

8. exposure controls/personal protective equipment:

Additional information on the design of technical

equipment: No further information, see item 7.

Parameters to be monitored

Components with occupational exposure limits to be monitored:

DNEL values		
CAS: 4259-15-8 Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate)		
Dermal	DNEL worker (long term exposure)	9.6 mg/kg bw/day (human)
Inhalation	Inhalation DNEL worker (short term exposure)	6.6 mg/m ³ (human)
PNEC values		
CAS: 4259-15-8 Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate)		
PNEC	3.8 mg/l (sewage treatment plant)	
	0.0046 mg/l (marine water)	

Additional exposure limits for possible**processing hazards:** TLV-TWA oil mist 5 mg/m³**Additional notes:** The lists valid at the time of preparation were used as a basis.**Exposure controls****Personal protective equipment:****General protective and hygienic measures:** The usual precautionary measures for handling chemicals are to be observed.**Respiratory Protection:** In normal handling, respiratory protection is generally not necessary. If exposure limits are exceeded, or aerosol or mist is formed, respiratory protection (e.g. half mask with combination filter for particles, gases and organic vapors, Sdp. > 65 °C, EN 14387) is recommended. Observe the rules for the use of respiratory protective equipment as well as the wearing time limits according to the Berufsgenossenschaftliche Regel (BGR) 190.**Hand protection:** Protective gloves made of nitrile or viton.

Glove material Fluorocarbon rubber (Viton)

Nitrile rubber

The selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer. Since the product is a preparation of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use.

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Penetration time of the glove material: The exact penetration time must be obtained from the protective glove manufacturer and must be

to be observed.

Value for permeation: Level = 6 (480 min)

Eye protection: Tight-fitting safety goggles with side shields.**Body protection:** Protective work clothing**9. physical and chemical properties:****Information on basic physical and chemical properties****General information****Appearance:****Form:** Pasty / **Color:** Amber**Odor:** Mild / **Odor threshold:** Not determined.**pH:** Not applicable.

Change in condition

Melting point/Melting range: Not determined / **Boiling point/Boiling range:** Not determined.**Dripping point:** Not determined / **Flash point:** > 200 °C (DIN ISO 2592)**Flammability (solid, gas):** Not determined / **Ignition temperature:** Not applicable.**Decomposition temperature:** Not determined. **Drop point:** 250°.**Self-ignition:** The product is not self-igniting.**Explosion hazard:** The product is not explosive.**Explosion limits:****Lower:** Not determined.**Upper:** Not determined.**Vapour pressure:** Not applicable.**Density at 20 °C:** 0.94 g/cm³ (DIN 51 757).

Relative density Not determined.

Vapour density (air=1) Not applicable.

Evaporation rate Not applicable.

Solubility in / Miscibility with

Water: Insoluble.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:

Dynamic: Not applicable.

Kinematic: Not applicable.

Other information No further relevant information available.

10. stability and reactivity:

Reactivity

Chemical stability The product is stable under normal conditions.

Thermal decomposition / conditions to be avoided.

Conditions to avoid: Heat, sparks, flames and other ignition sources.

Possibility of hazardous reactions: Reactions with strong oxidizing agents.

Conditions to avoid No specific data available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: Oxides of carbon, nitrogen, sulfur and metal oxides.

Other information: Not classified as flammable, but sustains combustion.

11. toxicological information:

Information on toxicological effects.

Acute toxicity:

Classification-relevant LD/LC50 values:

4259-15-8 zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate).

Oral LD50 > 3100 mg/kg (rat)

Dermal LD50 > 5000 mg/kg (rabbit)

Primary irritant effect:

On the skin: In case of skin contact: Frequent and prolonged skin contact may cause irritation and skin inflammation.

on the eye: Irritant effect.

After inhalation: Irritant effects are not expected.

Additional toxicological information: The product is not subject to classification due to the calculation procedure of the General Classification Guideline for Preparations of the EC in the latest valid version.

When handled and used according to specifications, the product causes the product does not cause any harmful effects according to our experience and the information no harmful effects on health.

12. environmental information:

Toxicity

Aquatic Toxicity:

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

EC50/48h 75 mg/l (Daphnia magna)

LC50/96h 4.4 mg/l (Pimephales promelas (minnow))

Behavior in environmental compartments:

Bioaccumulative potential: No further relevant information available.

Mobility in soil: The product is insoluble in water. It is partially immobilized by adsorption to soil particles. partially immobilized.

Further ecological information:**General information:** Water hazard class 1 (self-classification): slightly hazardous for water.

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

Results of PBT and vPvB assessment

PBT: Not applicable.**vPvB:** Not applicable.**Other adverse effects:** No further relevant information available.**13. notes on disposal:****Waste treatment method****Recommendation:** Must not be disposed of together with household waste. Do not empty into drains. sewage system.**European Waste Catalogue**

12 01 12* spent waxes and fats

Uncleaned packaging: Empty container completely. Hand over to authorized disposal company.**Recommendation:** Dispose of in accordance with official regulations.

Contaminated packaging must be emptied in the best possible way.

then be recycled after appropriate cleaning.

14. transport information:**UN number**

ADR, ADN, IMDG, IATA not applicable.

UN proper shipping name

ADR, ADN, IMDG, IATA not applicable

Transport hazard classes

ADR, ADN, IMDG, IATA

Class not applicable

Packing group

ADR, IMDG, IATA not applicable

Environmental hazards:**Marine pollutant:** No**Special precautions for user** Not applicable.**Bulk transport according to Annex II of MARPOL Convention****73/78 and according to IBC Code** Not applicable.**15. legislation****Safety, health and environmental regulations/specific legislation for the substance or mixture.****National regulations:****Major Accidents Ordinance:** Product is not subject to the Major Accidents Ordinance (12th BImSchV).**Classification according to Ordinance on Industrial Safety and Health****(BetrSichV):** -**Water hazard class:** WGK 1 (WGK-Mischungsregel VwVwS): slightly hazardous to water.**Chemical safety assessment** A chemical safety assessment has not been carried out.

16. other information

Recommendation of the manufacturer:

Absorb spilled liquid media with oil binder and dispose of according to regulations.

As skin protection for water-miscible and non-water-miscible media, we recommend the use of COVER SKIN.

Questions regarding

Your technical advisor will be pleased to answer any questions you may have concerning skin protection and glove material.

The information provided is based on our present knowledge, but does not constitute a guarantee of product properties.

and do not establish a contractual legal relationship.

Relevant phrases H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

Department issuing data sheet: Department of Environmental Protection

Abbreviations and acronyms: 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

*** Data changed compared to previous version**

****Version number information: Replaces all previous versions.**