



SAFETY DATA SHEET

in accordance with Regulation
(EG) No. 1907/2006 and (EC) No. 1272/2008

OPN-Lubricating Metal Assembly Paste

Revised on: 08/29/2025

Article number : 66075

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SECTION 1: Identification of the substance or mixture and of the company

1.1. Product identifier **OPN-Lubricating Metal Assembly Paste - 500g -**

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

Use of the substance/mixture

1.3. Details of the supplier of the safety data sheet

OPN-CHEMIE GmbH
In der Au 14
57290 Neunkirchen / Germany
www.opn-chemie.de

Further information obtainable from:

Safety data sheets: Mrs. Barbara Angelika Gros-Petri
E-Mail (competent person): baerbel.petri@opn-chemie.de

1.4. Emergency telephone number

Emergency information service Poison Information Center Freiburg +49(0)761/19240

SECTION 2: Possible hazards

2.1. Classification of the substance or

mixture Regulation (EC) No. 1272/2008

This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

2.2. Label elements

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture

Relevant components

None (according to Regulation (EC) No. 1907/2006 (REACH))

SECTION 4: First aid measures

4.1. Description of first aid measures General

information

Observe the usual hygiene measures when handling chemicals.

After inhalation

Provide fresh air.

After skin contact

Wash off with plenty of water. Remove contaminated clothing and wash before reuse.

After eye contact

Immediately rinse carefully and thoroughly with an eye wash or water.

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After swallowing

Rinse mouth immediately and drink plenty of water.

4.2. Most important acute and delayed symptoms and effects

No information available.

4.3. Indications for immediate medical attention or special treatment

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing

media

Alcohol-resistant foam. Dry extinguishing agents. Carbon dioxide (CO2).

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Firefighting instructions

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated extinguishing water separately. Do not allow to enter drains or waterways.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment, and emergency procedures

General information

Use personal protective equipment.

Personnel not trained for emergencies

Use appropriate protective equipment (including personal protective equipment listed in Section 8 of the Safety Data Sheet) to prevent contamination of skin, eyes, and personal clothing.

Emergency responders

Particular risk of slipping due to leaking/spilled product. Protective gloves in accordance with EN 374.

Glove material: Nitrile rubber

6.2. Environmental protection measures

Do not allow to enter drains or waterways.

6.3. Methods and materials for containment and cleanup

containment

Ensure that waste is collected and stored safely. Handle the collected material in accordance with the Disposal section.

For cleanup

Collect mechanically.

Further information

Collect mechanically. Treat collected material according to the Disposal section.

6.4. Reference to other sections

Safe handling: see Section 7 Personal protective

equipment: see Section 8 Disposal: see Section 13

SECTION 7: Handling and storage

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7.1. Protective measures for safe handling

Information on safe handling

No special precautions necessary.

Fire and explosion protection

No special fire protection measures required.

Information on general hygiene measures in the workplace

Remove contaminated clothing. Wash hands before breaks and at the end of work. Do not eat or drink while working.

7.2. Conditions for safe storage, taking into account incompatibilities

Requirements for storage rooms and containers

Keep containers tightly closed.

Information on joint storage

No special precautions necessary.

Storage class according to TRGS 510: 11

SECTION 8: Exposure controls/personal protective equipment

8.1. Parameters to be monitored

Biological limit values (TRGS 903)

CAS No.	Designation	Parameters	Limit value	Test material	Sampling time
7429-90-5	Aluminum	Aluminum (in creatinine)	50 µg/g	U	c

8.2. Exposure limits and monitoring



Individual protective measures, e.g., personal protective equipment Eye/face

protection

Wear eye/face protection.

Hand protection

When handling chemical agents, only chemical protective gloves with a CE mark and a four-digit test number may be worn. Chemical protective gloves must be selected according to their design in based on the concentration and quantity of hazardous substances at the workplace. It is recommended to check the chemical resistance of the above-mentioned protective gloves for specific applications with the glove manufacturer. Solvent-resistant protective gloves in accordance with EN 374.

Glove material: nitrile rubber, butyl rubber, or fluorine rubber. Breakthrough time (max. wearing time): >480 min. The information provided by the manufacturer of the protective gloves regarding permeability and breakthrough times must be observed.

Body protection

Wear suitable protective clothing when working.

Respiratory protection

Wear respiratory protection if ventilation is inadequate.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Pasty	
Color	silver-gray	
Odor:	Characteristic	
Melting point/freezing point:		Not determined
Boiling point or initial boiling point and boiling range:		Not determined
Flammability:		
Lower explosion limit: Upper explosion limit:		Not determined
Flash point:		Not applicable
Decomposition temperature:		Not determined
pH value:		Not determined
Water solubility:	No testing required, as the substance is known to be insoluble in water.	
Solubility in other solvents not determined		
Partition coefficient n-octanol/water:		Not determined
Vapor pressure:		Not determined
Density:		1.12 g/cm³
Relative vapor density:		Not determined

9.2. Other information

Information on physical hazard classes

Spontaneous combustion temperature

Solid:

Not determined

Gas:

Not applicable

Oxidizing properties Not oxidizing.

Other safety parameters

Evaporation rate:

Not determined

Solid content:

Not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions occur when handled and stored in accordance with specifications.

10.2. Chemical stability

The product is stable when stored at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No dangerous reactions are known.

10.4. Conditions to avoid

Reactions with oxygen

10.5. Incompatible materials

Reactions with strong acids. Reactions with strong oxidizing agents.

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10.6. Hazardous decomposition products

No dangerous decomposition products are known.

SECTION 11: Toxicological information

11.1. Information on hazard classes within the meaning of Regulation (EC) No. 1272/2008

Acute toxicity

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

ATEmix calculated

ATE (oral)> 2000 mg/kg; ATE (dermal)> 2000 mg/kg; ATE (inhalation vapor)> 20 mg/l; ATE (inhalation dust/mist)> 5 mg/l

Irritation and corrosive effects

Skin corrosion/irritation: Based on the available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on the available data, the classification criteria are not met.

Sensitizing effects

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

Carcinogenic, mutagenic, and reproductive toxicity 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.

Specific target organ toxicity after single exposure

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

Specific target organ toxicity after repeated exposure

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

Aspiration hazard

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

Other test information

The mixture is classified as non-hazardous according to Directive 1999/45/EC.

SECTION 12: Environmental information

12.1. Toxicity

Based on the available data, the classification criteria are not met. The product is not: ecotoxic.

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII. The product has not been tested.

12.6. Endocrine-disrupting properties

This product does not contain any substance that exhibits endocrine properties towards non-target organisms, as no ingredient meets the criteria.

12.7. Other harmful effects

No information is available.

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Further information

Avoid release into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommendations for disposal

Do not allow to enter drains or waterways. Dispose of in accordance with official regulations.

Waste code - unused product

200126 MUNICIPAL WASTE (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL AND INDUSTRIAL WASTE, AS WELL AS WASTE FROM INSTITUTIONS), INCLUDING SEPARATELY COLLECTED FRACTIONS; Separately collected fractions (except 15 01); Oils and fats other than those mentioned in 20 01 25; Hazardous waste

Waste code - used product

200126 MUNICIPAL WASTE (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL AND INDUSTRIAL WASTE, AS WELL AS WASTE FROM INSTITUTIONS), INCLUDING SEPARATELY COLLECTED FRACTIONS; Separately collected fractions (except 15 01); Oils and fats other than those mentioned in 20 01 25; Hazardous waste

Waste code - uncleaned packaging

150104 PACKAGING WASTE, ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS, AND PROTECTIVE CLOTHING (N.E.S.); Packaging (including separately collected municipal packaging waste); Metal packaging

Disposal of uncleaned packaging and recommended cleaning agents

Wash off with plenty of water. Completely emptied packaging can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: Not classified as dangerous goods under these transport regulations.

Inland waterway transport (ADN)

14.1. UN number or ID number: Not classified as dangerous goods under these transport regulations.

Transport by sea (IMDG)

14.1. UN number or ID number: Not classified as dangerous goods under these transport regulations.

14.6. Special precautions for the user

No information available.

14.7. Bulk transport by sea in accordance with IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Regulations on safety, health, and environmental protection/specific legal provisions for the substance or mixture

EU regulations

Restrictions on use (REACH, Annex XVII): Entry 40, Entry 75

Additional information

Note: 850/2004/EC, 79/117/EEC, 689/2008/EC

National regulations

Water hazard class: Status: 1 - slightly hazardous to water
Mixing rule according to VwVwS Appendix 4, No. 3

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15.2. Substance safety assessment

Substance safety assessments for substances in this mixture have not been carried out.

SECTION 16: Other information

Abbreviations and acronyms

ADR: 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 Harmonized 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

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Further information

The information in this safety data sheet corresponds to our best knowledge at the time of printing. The information is intended to provide you with guidance on the safe handling of the product mentioned in this safety data sheet during storage, processing, transport, and disposal. The information is not transferable to other products. If the product is mixed, blended, or processed with other materials, or subjected to processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly stated otherwise.

(The data for the relevant components was taken from the latest valid safety data sheet provided by the upstream supplier.)