



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## OPN-Copper Paste

Print date: 04.05.2018

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

#### 1.1. Product identifier

OPN-Copper Paste

Art.-No. 66076

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

**Relevant identified uses** industrial use, professional use

**Application of the substance / the mixture** Lubricants, greases, release products

**Uses advised against:**

consumer use (private households)

Do not use for products that are intended for contact with food - exclude food contact.

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

**Manufacturer/Supplier:**

OPN-CHEMIE OTTO PETRI GMBH

In der Au 14

D-57290 Neunkirchen/Germany

Tel.: +49 (0) 2735 / 7725-0

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**Further information obtainable from:**

Safety data sheets Mrs. Barbara Angelika Gros-Petri

Tel.: +49 (0) 2735 / 7725-20

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#### 1.4 24 hours Emergency telephone number:

Vergiftungs-Informations-Zentrale Freiburg +49 (0) 761 / 192 40

### SECTION 2: Hazards identification

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

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

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.

**Dangerous components:**

classified according to Regulation (EG) Nr. 1272/2008 [CLP]

CAS-Nr.: 7440-50-8

copper <15 % (Aquatic Acute 1; H400)

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**After inhalation**

Provide fresh air.

**After contact with skin**

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

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.

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### After ingestion

Rinse mouth immediately and drink plenty of water.

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

No information available.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

#### **Unsuitable extinguishing media**

Full water jet

### **5.2. Special hazards arising from the substance or mixture**

In case of fire may be liberated: Carbon monoxide.

### **5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing.

### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

### **6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protection equipment.

Special danger of slipping by leaking/spilling product.

### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

### **6.3. Methods and material for containment and cleaning up**

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Avoid contact with skin, eyes and clothes. No special measures are necessary.

#### **Advice on protection against fire and explosion**

No special fire protection measures are necessary.

#### **Further information on handling**

Do not put any product-impregnated cleaning rags into your trouser pockets.

### **7.2. Conditions for safe storage, including any incompatibilities**

#### **Requirements for storage rooms and vessels**

Keep container tightly closed.

#### **Advice on storage compatibility**

No special measures are necessary.

## SECTION 8: Exposure controls/personal protection

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### 8.1. Control parameters

### 8.2. Exposure controls

#### **Protective and hygiene measures**

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

#### **Eye/face protection**

Wear eye/face protection.

#### **Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### **Skin protection**

Wear suitable protective clothing.

#### **Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

## SECTION 9: Physical and chemical properties

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

Physical state:	Paste
Colour:	copper
Odour:	neutral

#### **Test method**

pH-Value:	not determined
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#### **Changes in the physical state**

Melting point:	not determined
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Initial boiling point and boiling range:	not determined
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Flash point:	not applicable
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#### **Flammability**

Solid:	not determined
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Gas:	not applicable
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#### **Explosive properties**

nicht explosionsgefährlich

Lower explosion limits:	not determined
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Upper explosion limits:	not determined
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#### **Auto-ignition temperature**

Solid:	not determined
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Gas:	not applicable
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Decomposition temperature:	not determined
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#### **Oxidizing properties**

Not oxidizing.

Vapour pressure:	not determined
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Density (at 20 °C):	1,20 g/cm <sup>3</sup>
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Water solubility:	insoluble
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### **Solubility in other solvents**

not determined

Partition coefficient:

not determined

Vapour density:

not determined

Evaporation rate:

not determined

### **9.2. Other information**

Solid content:

not determined

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

### **10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

### **10.3. Possibility of hazardous reactions**

No known hazardous reactions.

### **10.4. Conditions to avoid**

none

### **10.5. Incompatible materials**

Oxidising agent, strong

### **10.6. Hazardous decomposition products**

No known hazardous decomposition products.

## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

#### **Acute toxicity**

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

#### **Irritation and corrosivity**

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

#### **Sensitising effects**

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

#### **STOT-single exposure**

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

#### **Severe effects after repeated or prolonged exposure**

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

#### **Carcinogenic/mutagenic/toxic effects for reproduction**

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

#### **Aspiration hazard**

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

#### **Additional information on tests**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

The product is not: Ecotoxic.

### **12.2. Persistence and degradability**

The product has not been tested.

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### **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 product has not been tested.

### **12.6. Other adverse effects**

No information available.

### **Further information**

Avoid release to the environment.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

#### **Advice on disposal**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

#### **Waste disposal number of waste from residues/unused products**

120112 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; spent waxes and fats  
Classified as hazardous waste.

#### **Waste disposal number of used product**

120112 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; spent waxes and fats  
Classified as hazardous waste.

#### **Waste disposal number of contaminated packaging**

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

#### **Contaminated packaging**

Dispose according to legislation.

## **SECTION 14: Transport information**

### **Land transport (ADR/RID)**

**14.2. UN proper shipping name:** No dangerous good in sense of these transport regulations.

### **14.6. Special precautions for user**

No information available.

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

not applicable

## **SECTION 15: Regulatory information**

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

#### **National regulatory information**

Water contaminating class (D): 2 - water contaminating

### **15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

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### SECTION 16: Other information

#### 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  
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 above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*