

Safety Data Sheet

10401 PM Copper Paste 500gr



Issue date 24-Nov-2015

Revision date 18-Mar-2015

Version 1

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

1.1. Product Identifier

Product name 10401 PM Copper Paste 500gr

Pure substance/mixture Mixture

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

Recommended Use Grease***
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Petromark Automotive Chemicals
Rooswijkweg 316, 1951 ME Velsen-Noord, The Netherlands
www.petromark.eu • info@petromark.eu
Tel. +31 (0)251 211397

For further information, please contact
Petromark Automotive Chemicals: info@petromark.eu

1.4. Emergency telephone number

Petromark Automotive Chemicals
Tel. +31 (0)251 211397

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Acute aquatic toxicity	Category 1*** - (H400)***
Chronic aquatic toxicity	Category 3*** - (H412)***

2.2. Label Elements

Product Identifier



Signal Word**WARNING*******Hazard statements**

H400 - Very toxic to aquatic life

H412 - Harmful to aquatic life with long lasting effects***

Precautionary Statements - EU (§28, 1272/2008)

P273 - Avoid release to the environment

P501 - Dispose of contents/ container to an approved waste disposal plant***

2.3. Other Hazards

No information available

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable***

3.2 Mixtures***

Chemical name	EC No	CAS No	REACH registration number	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Weight-%
Copper***	231-159-6***	7440-50-8	01-2119480154-42** *	Acute Tox. 4 (H302) Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411) ***	5-10
Amines, hydrogenated tallow alkyl***	262-976-6***	61788-45-2	01-2119473799-15** *	STOT RE 2 (H373) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) ***	<0.1

Full text of H- and EUH-phrases: see section 16**SECTION 4: First aid measures****4.1. Description of first aid measures****General advice**

When in doubt or if symptoms are observed, get medical advice.

Inhalation

Remove to fresh air.

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Eye Contact

If substance enters the eyes, immediately rinse with plenty of water for several minutes.

Ingestion

Clean mouth with water and drink afterwards plenty of water.

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

None known.

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

Note to doctors

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable Extinguishing Media**

Dry chemical, CO₂, water spray or regular foam. Water spray, fog or regular foam. Move containers from fire area if you can do it without risk. Dyke fire-control water for later disposal.***

Unsuitable Extinguishing Media

Do not scatter spilled material with high pressure water streams***

5.2. Special hazards arising from the substance or mixture

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water Very toxic to aquatic life Harmful to aquatic life with long lasting effects Thermal decomposition can lead to release of irritating and toxic gases and vapours***

Hazardous combustion products Carbon dioxide (CO₂), Carbon monoxide, Nitrogen oxides (NO_x).

5.3. Advice for firefighters

In the event of fire and/or explosion do not breathe fumes. Use water spray jet to protect personnel and to cool endangered containers. Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required. Do not allow run-off from fire-fighting to enter drains or water courses.***

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

Special danger of slipping by leaking/spilling product. Ensure adequate ventilation, especially in confined areas.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Prevent further leakage or spillage if safe to do so. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. See Section 12 for additional Ecological Information. Do not flush into surface water or sanitary sewer system.***

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

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

See section 8 for national exposure control parameters. See Section 12 for additional Ecological Information.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Advice on safe handling

Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.***

General hygiene considerations

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

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

Keep container tightly closed in a dry and well-ventilated place. Ensure adequate ventilation. Do not allow to enter into soil/subsoil. Restrict access to stockrooms.***

7.3. Specific end use(s)**Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure Limits**

Chemical name	European Union	United Kingdom	France	Spain	Germany
Copper*** 7440-50-8	-	STEL: 0.6 mg/m ³ STEL: 2 mg/m ³ TWA: 1 mg/m ³ TWA: 0.2 mg/m ³ ***	TWA: 0.2 mg/m ³ TWA: 1 mg/m ³ STEL: 2 mg/m ³ ***	TWA: 0.2 mg/m ³ TWA: 1 mg/m ³ ***	TWA: 0.01 mg/m ³ Ceiling / Peak: 0.02 mg/m ³ Ceiling / Peak: 0.2 mg/m ³ ***
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Copper*** 7440-50-8	-	TWA: 0.2 mg/m ³ TWA: 1 mg/m ³ ***	TWA: 0.1 mg/m ³ ***	TWA: 1 mg/m ³ TWA: 0.1 mg/m ³ ***	TWA: 1.0 mg/m ³ TWA: 0.1 mg/m ³ ***
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Copper*** 7440-50-8	STEL 4 mg/m ³ STEL 0.4 mg/m ³ TWA: 1 mg/m ³ TWA: 0.1 mg/m ³ ***	STEL: 0.2 mg/m ³ TWA: 0.1 mg/m ³ ***	TWA: 0.2 mg/m ³ ***	TWA: 0.1 mg/m ³ TWA: 1 mg/m ³ STEL: 0.1 mg/m ³ STEL: 1 mg/m ³ ***	TWA: 0.2 mg/m ³ TWA: 1 mg/m ³ STEL: 0.6 mg/m ³ STEL: 2 mg/m ³ ***
Chemical name	Sweden	Belgium	Greece	Turkey	Czech Republic
Copper*** 7440-50-8	1 mg/m ³ LLV (total dust); 0.2 mg/m ³ LLV (respirable dust)***	0.2 mg/m ³ TWA (fume); 1 mg/m ³ TWA (dust and mist)***	0.2 mg/m ³ TWA (fume); 1 mg/m ³ TWA (dust) 2 mg/m ³ STEL (dust)***	-	Ceiling: 2 mg/m ³ Ceiling: 0.2 mg/m ³ TWA: 1 mg/m ³ TWA: 0.1 mg/m ³ ***

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment**Eye/face Protection
Hand protection**

Wear safety glasses with side shields (or goggles).

Wear protective gloves. To protect the wearer, gloves must be the correct fit and be used properly. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.***

Skin and Body Protection

Suitable protective clothing. Wear protective gloves. To protect the wearer, gloves must be the correct fit and be used properly. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.*** Gloves must conform to standard EN 374***

Respiratory protection

None under normal use conditions.

Environmental exposure controls

Local authorities should be advised if significant spillages cannot be contained. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains.***

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Paste/Gel		
Appearance	No information available	Odour	characteristic
Colour	No information available	Odour threshold	No information available
Property	Values	Remarks • Method	
pH		No information available	
Melting point/freezing point		No information available	
Boiling point / boiling range	>*** 150*** °C*** /*** 302*** °F***	***	
Flash Point	>*** 100*** °C*** /*** >*** 212*** °F***	***	
Evaporation Rate		No information available	
Flammability (solid, gas)		No information available	
Flammability Limit in Air			
Upper flammability limit:	No data available		
Lower flammability limit	No data available		
Vapour pressure	<*** 0.1*** hPa***	@ 20°C***	
Vapour Density		No information available	
Specific gravity	approx. 1.000 g/cm3***	@ 20°C***	
Water solubility	No data available	@ 20° C	
Solubility(ies)	Insoluble in water***	***	
Partition coefficient		No information available	
Autoignition Temperature		No information available	
Decomposition temperature		No information available	
Kinematic viscosity	No data available	@ 40 °C	
Dynamic viscosity	No data available	@ 40 °C	
Explosive properties	No information available		
Oxidising properties	No information available		

9.2. Other information

No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

None known based on information supplied.

10.5. Incompatible materials

Incompatible with oxidising agents. Acids. Bases.

10.6. Hazardous decomposition products

Thermal decomposition can lead to release of irritating and toxic gases and vapours. Carbon dioxide (CO₂). Carbon monoxide. Nitrogen oxides (NO_x).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute Toxicity

Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation	No data available.
Eye Contact	No data available.
Skin contact	No data available.
Ingestion	No data available.

Unknown acute toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity.***

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation No information available.

Sensitisation No information available.

Germ Cell Mutagenicity No information available.

Carcinogenicity No information available.

Reproductive Toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Target organ effects Eyes, Kidney, Liver, Respiratory System, Skin.***

Aspiration Hazard No information available.

SECTION 12: Ecological information

12.1. Toxicity

Very toxic to aquatic life Harmful to aquatic life with long lasting effects***

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment***

Product Information

Acute (short-term) algae toxicity

EC50	No information available
EC0	No information available
IC50	No information available
IC0	No information available
ErC50	No information available
EbC50	No information available

Acute (short-term) fish toxicity

LC50	No information available
LC0	No information available
EC50	No information available
EC0	No information available

Acute (short-term) aquatic invertebrate toxicity

EC50	No information available
EC0	No information available

Chronic (long-term) algae toxicity

NOEC	No information available
LOEC	No information available

Chronic (long-term) fish toxicity

NOEC	No information available
LOEC	No information available

Chronic (long-term) aquatic invertebrate toxicity

NOEC	No information available
LOEC	No information available

Chemical name	Algae/aquatic plants	Fish	Crustacea
Copper***	0.0426 - 0.0535: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 0.031 - 0.054: 96 h Pseudokirchneriella subcapitata mg/L EC50 static***	0.0068 - 0.0156: 96 h Pimephales promelas mg/L LC50 0.3: 96 h Pimephales promelas mg/L LC50 static 0.2: 96 h Pimephales promelas mg/L LC50 flow-through 0.052: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 1.25: 96 h Lepomis macrochirus mg/L LC50 static 0.3: 96 h Cyprinus carpio mg/L LC50 semi-static 0.8: 96 h Cyprinus carpio mg/L LC50 static 0.112: 96 h Poecilia reticulata mg/L LC50 flow-through***	0.03: 48 h Daphnia magna mg/L EC50 Static***

12.2. Persistence and degradability

Product Information

Biodegradation	No information available
BOD	No information available
ThCO₂	No information available
DOC	No information available

12.3. Bioaccumulative potential**Product Information**

Bioaccumulation (factor)	No information available
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12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This preparation contains no substance considered to be persistent, bio-accumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB). This preparation contains no substance considered to be very persistent nor very bio-accumulating (vPvB).

12.6. Other adverse effects

No information available

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Waste from residues/unused products	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Contaminated packages must be completely emptied and can be re-used following proper cleaning. Clean IBCs or drums at approved facility. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself.
OTHER INFORMATION	Waste codes should be assigned by the user based on the application for which the product was used.***

SECTION 14: Transport information**ADR**

14.1. UN number	UN3082***
14.2. UN proper shipping name	Environmentally hazardous substances, liquid, n.o.s.***
14.3. Transport hazard class(es)	9***
Labels	-
14.4. Packing group	III***

Description	UN3082, Environmentally hazardous substances, liquid, n.o.s. (copper), 9, III, (E)***
14.5. Environmental hazards	yes***
14.6. Special precautions for user	None
Classification code	M6***
Tunnel restriction code	(E)***
Limited quantity (LQ)	5 L***
ADR Hazard Id (Kemmler Number)	90***
Note:	-
<u>RID</u>	
14.1. UN number	UN3082***
14.2. UN proper shipping name	Environmentally hazardous substances, liquid, n.o.s.***
14.3. Transport hazard class(es)	9***
Labels	-
14.4. Packing group	III***
Description	UN3082, Environmentally hazardous substances, liquid, n.o.s. (copper), 9, III***
14.5. Environmental hazards	yes***
14.6. Special precautions for user	None
Classification code	M6***
Limited quantity (LQ)	5 L***
Note:	-
<u>IMDG</u>	
14.1. UN number	UN3082***
14.2. UN proper shipping name	Environmentally hazardous substances, liquid, n.o.s.***
14.3. Transport hazard class(es)	9***
Subsidiary hazard class	-
14.4. Packing group	III***
Description	UN3082, Environmentally hazardous substances, liquid, n.o.s. (copper), 9, III,***
14.5. Environmental hazards	This material meets the definition of a marine pollutant***
14.6. Special precautions for user	None
EmS-No	F-A, S-F***
Limited quantity (LQ)	5 L***
Note:	-
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	No information available
<u>IATA</u>	
14.1. UN number	UN3082***
14.2. UN proper shipping name	Environmentally hazardous substances, liquid, n.o.s.***
14.3. Transport hazard class(es)	9***
Subsidiary hazard class	-
14.4. Packing group	III***
Description	UN3082, Environmentally hazardous substances, liquid, n.o.s. (copper), 9, III***
14.5. Environmental hazards	yes***
14.6. Special precautions for user	None
ERG Code	9L***
Limited quantity (LQ)	30 kg G***
Note:	-

SECTION 15: Regulatory information

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

National Regulations

See section 8 for national exposure control parameters

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

International Inventories

All of the components in the product are on the following Inventory lists: TSCA (United States), Europe (EINECS/ELINCS/NLP).***

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out. Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3

H373 - May cause damage to organs through prolonged or repeated exposure if inhaled

H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H318 - Causes serious eye damage

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

H302 - Harmful if swallowed

H411 - Toxic to aquatic life with long lasting effects***

Revision note Not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

End of Safety Data Sheet