

Safety Data Sheet

MCS500

Replaces date: 28/08/2023

Revision date: 21/02/2025

Version: 2.4.0

SECTION 1: Identification

1.1. GHS Product identifier

Trade name: MCS500

1.2. Recommended use of the chemical and restrictions on use

Recommended uses: Lubricant.

1.3. Supplier's details

Supplier

Company: Mouldpro ApS
Address: Baltorpbakken 10
Zip code: 2750
City: Ballerup
Country: DENMARK
Email: sales@mouldpro.com
Phone: +45 70 20 31 31
Homepage: www.mouldpro.com

1.4. Emergency phone Number

+ 45 70 20 31 31 (Mouldpro) The emergency telephone is open between 8 a.m. and 4 p.m. on workdays.

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS classification: Hazardous to the aquatic environment, short-term (Acute), Category 1;H400
Hazardous to the aquatic environment, long-term (Chronic), Category 2;H411

Most serious harmful effects: Very toxic to aquatic life with long lasting effects. May cause slight irritation to the skin and eyes.

2.2. GHS label elements, including precautionary statements

Pictograms



Signal word: Warning

Hazard Statements

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.
P391 Collect spillage.
P501 Dispose of contents/container in accordance with local regulation.

2.3. Other hazards which do not result in classification

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None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No	Concentration	Notes
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	30 - 60 %	
Copper	7440-50-8	5 -< 10 %	
diphenylamine	122-39-4	< 1 %	

Ingredient comments: The mineral oils in the product contain <3% DMSO extract(IP 346).

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

Inhalation: Seek fresh air. Seek medical advice in case of persistent discomfort.

Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.

Skin contact: Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.

Eye contact: Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

General: Bring the safety data sheet or label when seeking medical advice.

4.2. Most important symptoms/effects, acute and delayed

May cause slight irritation to the skin and eyes.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptoms. No special immediate treatment required.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media: The product is not directly flammable. Choose extinguishing agents based on the surrounding fire. Use water or water mist to cool non-ignited stock.

Unsuitable extinguishing media: Do not use a jet of water, as it may spread the fire.

5.2. Specific hazards arising from the chemical

Can generate harmful flue gases containing carbon monoxide in the event of fire.

5.3. Special protective actions for fire-fighters

If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn. Send contaminated extinguishing water for destruction.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Stay upwind/keep distance from source. Stop leak if this can be done without risk. Provide good ventilation. Wear safety goggles if there is a risk of eye splash. Wear gloves.

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For emergency responders: In addition to the above: Normal protective clothing is recommended.

6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

6.3. Methods and materials for containment and cleaning up

Contain and absorb spills using sand or other absorbent material and transfer to suitable waste containers. Wipe up minor spills with a cloth.

6.4. Reference to other sections

See section 8 for type of protective equipment.
See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Running water and eye wash equipment should be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

Store safely, out of reach of children and away from food, animal feeding stuffs, drugs, etc. Store in a dry, cool, well-ventilated area. Keep in tightly closed original packaging.

7.3. Specific end use(s)

No special uses in addition to identified uses in 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit: There are no official GHS occupational exposure limits. Be aware of possible national occupational exposure limits.

Measuring methods: Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Wear safety goggles if there is a risk of eye splash.

Personal protective equipment, hand protection: Wear gloves. Type of material: Nitrile rubber. Breakthrough time has not been determined for the product. Change gloves often. The suitability and durability of a glove is dependant on usage, e.g. frequency and duration of contact, glove material thickness, functionality and chemical resistance. Always seek advice from the glove supplier.

Personal protective equipment, respiratory protection: Not required.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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Parameter	Value/unit
Physical state	Paste
Color	Yellowish
Odour	Characteristic
Solubility	Insoluble in the following: Water.

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	No data	
Freezing point	No data	
Boiling point or initial boiling point and boiling range	No data	
Flammability	No data	
Lower and upper flammability limit	No data	
Lower and upper explosion limit	No data	
Flash Point	> 200 °C	Cleveland open cup.
Auto-ignition temperature	No data	
Decomposition temperature	No data	
pH (solution for use)	No data	
pH (concentrate)	No data	
Kinematic viscosity	No data	
Viscosity	No data	
Partition coefficient n-octanol/water (log value)	No data	
Vapour pressure	No data	
Density	No data	
Relative density	~ 1.13	(20 °C)
Relative vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

9.2. Other information

Other Information: None.

SECTION 10: Stability and reactivity

10.1. Reactivity

No known data.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

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10.6. Hazardous decomposition products

Can generate harmful flue gases containing carbon monoxide in the event of fire.

SECTION 11: Toxicological information

11.1. Information on health hazard classes

Acute toxicity - oral

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Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	ATE		5024.13 mg/kg			

Ingestion may cause discomfort. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Acute toxicity - dermal: The product does not have to be classified. Test data are not available.

Acute toxicity - inhalation

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Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	ATE (dust/mist)		5.03 mg/l			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Skin corrosion/irritation: May cause slight irritation. The product does not have to be classified. Test data are not available.

Serious eye damage/eye irritation: Temporary irritation. The product does not have to be classified. Test data are not available.

Respiratory sensitization or skin sensitization: The product does not have to be classified. Test data are not available.

Germ cell mutagenicity: The product does not have to be classified. Test data are not available.

Carcinogenic properties: The product does not have to be classified. Test data are not available.

Reproductive toxicity: The product does not have to be classified. Test data are not available.

Single STOT exposure: The product does not have to be classified. Test data are not available.

Repeated STOT exposure: The product does not have to be classified. Test data are not available.

Aspiration hazard: The product does not have to be classified. Test data are not available.

11.2. Information on other hazards

Endocrine disrupting properties: None known.

Other toxicological effects: None known.

SECTION 12: Ecological information

12.1. Toxicity

Very toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

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Test data are not available.

12.3. Bioaccumulative potential

Test data are not available.

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Disposal methods

Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	3077	14.4. Packing group, if applicable:	III
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Copper) (diphenylamine)	14.5. Environmental hazards:	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.
14.3. Transport hazard class(es):	9		
Hazard label(s):	9		
Hazard identification number:	90	Tunnel restriction code:	-

Inland water ways transport (ADN)

14.1. UN number:	3077	14.4. Packing group, if applicable:	III
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Copper) (diphenylamine)	14.5. Environmental hazards:	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.
14.3. Transport hazard class(es):	9		
Hazard label(s):	9		
Transport in tank vessels:			

Sea transport (IMDG)

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14.1. UN number:	3077	14.4. Packing group, if applicable:	III
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Copper) (diphenylamine)	14.5. Environmental hazards:	The product must be labelled as a Marine Pollutant (MP) in packaging sizes of more than 5 kg/l.
14.3. Transport hazard class(es):	9	Environmental Hazardous Substance Name(s):	
Hazard label(s):	9		
EmS:	F-A, S-F	IMDG Code segregation group:	- None -

Air transport (ICAO-TI / IATA-DGR)

14.1. UN number:	3077	14.4. Packing group, if applicable:	III
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Copper) (diphenylamine)	14.5. Environmental hazards:	The product must be labelled as an environmental hazard (symbol: fish and tree) in packaging sizes of more than 5 kg/l.
14.3. Transport hazard class(es):	9		
Hazard label(s):	9		

14.6. Special precautions for user

None.

14.7. Transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

Special Provisions: None.

15.2. Chemical Safety Assessment

Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
2.4.0	21/02/2025	DOL	13,16

Abbreviations:
PBT: Persistent, Bioaccumulative and Toxic
STOT: Specific Target Organ Toxicity
vPvB: Very Persistent and Very Bioaccumulative

Other Information: This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with GHS Rev. 10 (2023).

Training advice: A thorough knowledge of this safety data sheet should be a prerequisite condition.

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Classification method: Calculation based on the hazards of the known components.

SDS is prepared by

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