

# EC-Safety Data Sheet conforming to 1907/2006/EG, Article 31

Ciric LPM 1 K

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

1.1 Product identifier	Ciric LPM 1 K
1.2 Relevant identified uses of the substance or mixture and uses advised against	Lubrication Paste
1.3 Details of the supplier of the safety data sheet	MOLYDUVAL GmbH * Halskestr.6 * 40880 Ratingen * Germany * +49(21002)9757-00 * safety@molyduval.com

## SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture 1272/2008/EG	hazard statements / category of danger / Hazard class H400 / Aqua Acute 1 / Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. H411 / Aqua Chron. 2 / Toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment. The product is classified acc to 1272/2008/EG
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2.2 label elements



7440-50-8 Kupfer  
signal word: Warning  
GHS09 Environmentally hazardous  
H400 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
H411 Toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment.  
P273 Avoid release to the environment.  
P391 Reaction: Collect spillage.  
P501 This material and its container must be disposed of as hazardous waste.

2.3 Other hazards

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## SECTION 3: Composition - Information on Ingredients

3.1 Fehler !	Gefährliche Inhaltsstoffe, Chemische Bezeichnung, CAS-Nr., EG-Nr., Registrierungsnummer, Einstufung (VERORDNUNG (EG) Nr. 1272/2008), Konzentration [%] Kupfer, 7440-50-8, 231-159-6, Acute Tox.4 H302 Aquatic Acute 1 H400 Aquatic Chronic 2 H411; 5-25%
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## SECTION 4: First Aid Measures

General Instructions	Remove victim from danger zone, without exposing yourself to any personal risk. Remove wetted clothing and shoes and clean items before using them again.
After Inhalation	Not applicable.
After Skin Contact	Wash with soap and much water.
After Eye Contact	Flush eyes with copious amounts of water for 15 minutes holding lid away from eye.
After Ingestion	Do not induce vomiting. Seek medical advise
Most important symptoms and effects, both acute and delayed	No information available
Indication of any immediate medical attention and special treatment needed	Symptomatic treatment.

## SECTION 5: Fire-Fighting Measures

5.1 Extinguishing media	Suitable extinguishing media : Water spray. Foam. Dry powder. Carbon dioxide (CO2). Unsuitable extinguishing media : Strong water jet.
5.2 Special hazards arising from the substance or mixture	In case of a fire, there amy arise poisonous (CO, CO2 and other organic gases) gases
5.3 Advice for firefighters	If necessary, use in case of fire, self contained breathing apparatus. Collect contaminated firefighting water separately, must not be discharged into drains. Fire residues and contaminated firefighting water must be disposed of in accordance with local regulations. Extinguishing measures to the surroundings. Standard procedure for chemical fires. Extinguishing measures to the surroundings.

## SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	Use oil-proofed clothing
6.2 Special Environmental Protection	Do not expose to environment or in effluent water.
6.3 Methods and material for containment and cleaning up	Use oil sucking materials f.e chemical absorbents.
6.4 Reference to other sections	n.a.

## SECTION 7: Handling and Storage

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7.1 Precautions for safe handling When using do not eat, drink or smoke. Dispose of rinse water in accordance with local and national regulations. Note Normal measures for preventive fire protection. Keep away from heat and ignition sources. No smoking. When using do not eat or drink. Do not smoke while working. Wash hands before breaks and at end of work. General industrial hygiene practice.

7.2 Conditions for safe storage, including any incompatibilities Store in closed containers. Open container in well ventilated areas  
Storage Class VCI: 11 Flammable Solids

## SECTION 8: Limiting and supervising the exposure / personal protection

8.1 Control parameters Inhaltsstoffe CAS-Nr. Werttyp (Art der Exposition) Zu überwachende Parameter Stand Grundlage  
Kupfer 7440-50-8 AGW (Alveolengängig e Fraktion) 1 mg/m<sup>3</sup> 2009-02-16 DE TRGS 900 Weitere Information Ausschuss für Gefahrstoffe  
DNEL: Kupfer (7440-50-8) Anwendungsbereich: Arbeitnehmer Expositionswege: Hautkontakt Mögliche Gesundheitsschäden: Kurzzeit - systemische Wirkungen Wert: 273 mg/kg  
DNEL: Kupfer (7440-50-8) Anwendungsbereich: Arbeitnehmer Expositionswege: Einatmen Mögliche Gesundheitsschäden: Kurzzeit - systemische Wirkungen Wert: 20 mg/m<sup>3</sup>  
DNEL: Kupfer (7440-50-8) Anwendungsbereich: Arbeitnehmer Expositionswege: Hautkontakt Mögliche Gesundheitsschäden: Langzeit - systemische Wirkungen Wert: 137 mg/kg  
DNEL: Kupfer (7440-50-8) Anwendungsbereich: Verbraucher Expositionswege: Hautkontakt Mögliche Gesundheitsschäden: Kurzzeit - systemische Wirkungen Wert: 273 mg/kg  
DNEL: Kupfer (7440-50-8) Anwendungsbereich: Verbraucher Expositionswege: Einatmen Mögliche Gesundheitsschäden: Kurzzeit - systemische Wirkungen Wert: 20 mg/m<sup>3</sup>  
PNEC: Kupfer (7440-50-8) Boden Wert: 65,5 mg/kg  
PNEC: Kupfer (7440-50-8) Süßwasser Wert: 0,0078 mg/l  
PNEC: Kupfer (7440-50-8) Süßwassersediment Wert: 87 mg/kg  
PNEC: Kupfer (7440-50-8) Meerwasser Wert: 0,0052 mg/l  
PNEC: Kupfer (7440-50-8) Meeressediment Wert: 676 mg/kg  
PNEC: Kupfer (7440-50-8) STP Wert: 0,230 mg/l

8.2 Limitation and supervision of exposure - Personal Protective Equipment Respiratory Protection: None required; except in case of aerosol formation. Avoid inhalation of vapors. Use breathing apparatus if exposed to vapors / dust / aerosol. Combination filter, eg DIN 3181 ABEK  
Hand protection: Chemical-resistant protective gloves according to DIN / EN 374 is recommended. Only suitable for short-term exposure. If contamination is that the gloves should be changed immediately. Skin contact with the wetted surfaces of the gloves should be avoided.  
Eye protection: Safety glasses  
Hygiene measures: Wash hands before breaks and immediately after handling the product. Store work clothes separately. Take off all contaminated clothing immediately.  
Protective measures: Handle in accordance with good industrial hygiene and safety practice.

8.3 Delimitation and monitoring of environmental exposure Do not discharge into surface water or drains

## SECTION 9: Physical and Chemical Properties

Appearance Form	pasty
Color	copper
Appearance	like grease
Odour	without
Upper Explosion Limit	-
Lower Explosion Limit	-
Specific Gravity, 20°C	1,26 g/cm <sup>3</sup>
Water Solubility	N

## SECTION 10: Stability und Reactivity

10.1 Reactivity This product is stable in normal-use temperatures.

10.2 Chemical Stability Stable under normal conditions

10.3 Possibility of hazardous reactions No dangerous reaction known under conditions of normal use. Fumes can combine with air to form an explosive mixture.

10.4 Conditions to be avoided No information available

10.5 Incompatible Materials no information available

10.6 Hazardous products of instability / decomposition Carbon monoxide, carbon dioxide and unburnt Hydrocarbon (smoke), nitrogen oxides, hydrocarbons.

## SECTION 11: Toxicological Information

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Toxicological Information	Akute Toxizität Produkt: Akute orale Toxizität : Schätzwert Akuter Toxizität : 2280 mg/kg Methode: Rechenmethode
Symptoms after ingestion	no data available
At Skin Contact	no data available
Symptoms after Inhalation	no data available
Symptoms after eye contact	Prolonges or repeated contact may tend to irritate.
Toxicological Tests	There are no human toxicological data.
Toxicologic Effects	

## SECTION 12: Ecological Information

12.1 Toxicity	Inhaltsstoffe: Kupfer (7440-50-8) M-Faktor: 10
12.2 Persistence and degradability	Product is harmful to water. Do not empty into drains, contaminating groundwater or the soil. Danger to drinking water given. Deposition over petrol.
12.3 Bioaccumulative potential	not information available
12.4 Mobility in soil	No information available
12.5 Results of PBT and vPvB assessment	No information available
12.6 Other adverse effects	No information available

## SECTION 13: Disposal Considerations

13.1 Waste treatment methods	May not be disposed together with domestic rubbish. Disposal in compliance with federal, state, and local laws. EÄK Waste Product Code : 130899 Olabfälle, nicht anders spezifiziert
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## SECTION 14: Transport information in accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

14.1 UN-No	3077
14.2 UN proper shipping name	ADR: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, NOS IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, NOS
14.3 Transport hazard class	ADR / RID: Class 9, classification code M6, Kemler 90 Tunnel restriction code E Special provisions: LQ 7 E 1, Label: 9 / N IMDG Code: Class 9 EmS number FA / SF, Special Provisions LQ 5 I E 1, Label: 9 / N ICAO-TI / IATA: Class 9 Special provisions: E 1 Label: 9 / N
14.4 Packing group	3
14.5 Environmental hazards	IMDG: Marine pollutant ADR: Environmentally Hazardous
14.6 Special precautions for user	No information available
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

## SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture	Kennzeichnung mit GHS09 Umweltgefährlich free  national regulations water polluting category: 2
15.2 Chemical safety assessment	There is no information available

## SECTION 16: Further Information

16.1 Full text of R-phrases referred to under sections 2 and 3	GHS09 Environmentally hazardous H400 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. H411 Toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment. P273 Avoid release to the environment. P391 Reaction: Collect spillage. P501 This material and its container must be disposed of as hazardous waste.
16.2 Further Information	Although the information on this safety sheet is based on the by us known and reliable considered information, we can neither accept any responsibility for the use of it. Please contact us if more infos are needed.