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Reviewed on:	<b>COPPER GREASE 500</b>	

<p><b>1. Identification of substance, company:</b></p> <p>1.1. Identification of substance: <b>COPPER GREASE – 1 35005</b></p> <p>1.2. Application of the substance/the preparation: Copper lubricant</p> <p>1.3. Identification of manufacturer/Supplier: RETECH, s.r.o. Vackova 1541/4 150 00 Praha-5 Stodůlky Telephone/Fax: +420 327 596 128, +420 596 428 Information: <a href="mailto:info@retech.cz">info@retech.cz</a></p> <p>1.4. Telephone number for RETECH Suchdol 212, Suchdol u Kutné Hory extraordinary situations: Tel.+420 327 596 128 (7.30-16.00 hour) Toxicology information number, Na bojišti 1, 128 08 PRAHA 2 Tel. +420 224 919 293, +420 224 915 402 (24 hours a day)</p>																			
<p><b>2. Hazard identification:</b></p> <p>2.1. Hazard designation: The product does not have to be labeled due to the calculation procedure of the “General Classification guideline for preparations of the EU” in the latest valid version.</p> <p>2.2. Information pertaining to particular dangers for man and environment: Product is not dangerous for man.</p> <p>2.3. Additional information: Void</p>																			
<p><b>3. Composition/information on ingredients:</b></p> <p>3.1. Description: Mixture of the substances listed below with harmless additions.</p> <p>3.2. Dangerous components:</p> <table border="1"> <thead> <tr> <th>Chemical name</th> <th>Contents(%)</th> <th>Number CAS</th> <th>Number ES</th> <th>Cautionary symbol</th> <th>R sentences</th> </tr> </thead> <tbody> <tr> <td>Metallic copper</td> <td>&lt;10</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>Mineral oil</td> <td>&lt;3</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table> <p>Additional information: For the wording of the listed risk phrases refer to section 16.</p>		Chemical name	Contents(%)	Number CAS	Number ES	Cautionary symbol	R sentences	Metallic copper	<10	-	-	-	-	Mineral oil	<3	-	-	-	-
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Metallic copper	<10	-	-	-	-														
Mineral oil	<3	-	-	-	-														
<p><b>4. First aid measures:</b></p> <p>4.1. After inhalation: Supply fresh air; consult doctor in case of symptoms.</p> <p>4.2. After skin contact: Instantly wash with water and soap and rinse thoroughly.</p> <p>4.3. After eye contact: Rinse opened eye for several minutes under running water. Seek medical treatment.</p> <p>4.4. After swallowing: Do not induce vomiting, rinse out mouth and then drink plenty of water. Seek medical treatment.</p> <p>4.5. General information: Instantly remove any clothing soiled by the product.</p>																			
<p><b>5. Fire fighting measures:</b></p> <p>5.1. Suitable extinguishing agents: Carbon dioxide, foam, fire-extinguishing powder</p> <p>5.2. For safety reasons unsuitable extinguishing agents: Water jet</p> <p>5.3. Protective equipment: Put on breathing apparatus.</p> <p>5.4. Special hazards caused by the material, its products of combustion or resulting gases: Formation of toxic gases is possible during heating or in case of fire. Carbon monoxide (CO).</p> <p>5.5. Additional information: Void</p>																			
<p><b>6. Accidental release measures:</b></p> <p>6.1. Person-related safety precautions: Wear protective equipment see item 8.2. Keep unprotected persons away.</p>																			

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<p>Particular danger of slipping on leaked/spilled product.</p> <p>6.2. Measures for environmental protection: Do not allow product to reach sewage system or water bodies.</p> <p>6.3. Measures for cleaning/collecting: Collect mechanically or with materials (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to item 13.</p> <p>6.4. Additional information: Void</p>
<p><b>7. Handling and storage:</b></p> <p>7.1. Handling: Information for safe handling: Use protective equipment referred to 8.2. Avoid contact with skin and eyes.</p> <p>Information about protection against explosions and fires: Void</p> <p>7.2. Storage: Requirements to be met by storerooms and containers: Store in tightly closed containers in a cool, dry place and protect from heat. Store at the temperature +5°C to +25°C. Information about storage in one common storage facility: Store away from oxidizing agents.</p> <p>Further information about storage conditions: Void</p>
<p><b>8. Exposure controls and personal protection:</b></p> <p>8.1. Validate parameter: Components with limit values that require monitoring at the workplace: Mineral oil- 5mgm3 (mists) 8 hr TWA Metallic copper- 0.2mgm3 (fumes) 8 hr TWA Additional information: The lists that were valid during the compilation were used as basis.</p> <p>8.2. Personal protective equipment: Eye protection: Safety glasses Breathing equipment: Not necessary if room is well-ventilated. Protection of hands: Protective gloves (PVC or rubber gloves)</p> <p>8.3. General protective and hygienic measures: The usual precautionary measures should be adhered to general rules for handling chemicals. Take off immediately all contaminated clothing. Avoid contact with eyes and skin. Do not eat, drink or smoke while working. Wash hands during breaks and at the end of the work.</p>
<p><b>9. Physical and chemical properties:</b></p> <p>Form: Pasty Colour: Copper coloured Odour: Mineral Oil</p> <p>9.1. Value pH: - Melting point/Melting range: Not determined Boiling point/Boiling range: Not determined Flash point: &gt;220°C Inflammability (strength, gas form) Not determined Self-inflammability: Flammable, not pyrophoric Danger of explosion: Product is not explosive. Explosion limits: lower (% Vol.): - upper (% Vol.): - Oxidative properties: Not determined Vapor pressure (at 20°C): Not determined Density at 20 °C 0.95-1.1 g/cm3</p> <p>9.2. Solubility in/Miscibility with - water Insoluble</p>

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<p><b>10. Stability and reactivity:</b></p> <p>10.1. Thermal decomposition / conditions to be avoided: To avoid thermal decomposition do not overheat.</p> <p>10.2. Materials to be avoided: -</p> <p>10.3. Dangerous reactions: Oxidizing agents.</p> <p>10.4. Dangerous products of decomposition: In case of fire Irritant gases/vapours. Carbon monoxide and fumes of lead, copper and their oxides.</p>		
<p><b>11. Toxicological information:</b></p> <p>11.1. Acute toxicity: Void</p> <p>11.2. Primary irritant effect:          on the skin: Long term contact may irritate skin.          on the eye: May cause irritation.          Sensitization: No sensitizing effect known.          Additional toxicological information: Ingestion may cause diarrhea and vomiting.          Fumes from oil at high temperatures may be irritant, and from copper at extreme temperatures may be toxic.</p>		
<p><b>12. Ecological information:</b></p> <p>Do not allow product to reach ground water, water course or sewage system.</p> <p>The product is not readily incorporated into soils or sediments. Metallic copper oxidises to readily soluble copper (II) compounds, but may precipitate as carbonate in marine environments.</p> <p>Mineral oil is slowly biodegradable. Non metal additives are naturally occurring minerals.</p> <p>Copper is a known bioaccumulator.</p> <p>A spillage to water bodies may cause an oily film, disrupting surface processes and interfering with gas exchange membranes (gills, leaves) on contact.</p> <p>May be accumulated in organism.</p> <p>Water hazard : hazardous for water.</p>		
<p><b>13. Disposal considerations:</b></p> <p>13.1. Product: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.</p> <p>13.2. Uncleaned packagings: Disposal must be made according to official regulations.</p>		
<p><b>14. Transport information:</b></p> <p>14.1. Land transport: Not classified          ADR/RID-GGVS/E class: -</p> <p>14.2. Maritime transport: Not classified (Marine Pollutant.)          IMDG-class: -</p> <p>14.3. Air transport: Not classified</p>		
<p><b>15. Regulatory information:</b></p> <p>15.1. Labelling according to law line:          The product has been labeled in accordance with EC Directives / relevant national laws.          Danger of determining components and mark to labelling:          Safety data sheet available for professional user on request.</p> <p>Labelling hazardousness:          Product is not classified as a hazardous.</p> <p>Numbers and word reading associated hazard R-sentences :          Void</p> <p>Numbers and word reading associated security S-sentences:</p>		

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S 2 Keep out of reach of children.  
S 24 Avoid contact with skin.  
S 46 If swallowed, seek medical advice immediately and show this container or label.

15.2. Used legislation:  
European Regulation (EC) No 1907/2006 – REACH  
European Regulation No 67/548EEC and 1999/45/EC

**16. Other information:**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.