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| Date of issue: 28.7.2011 | Trade name: | Page: 1/5 |
| Reviewed on: | COPPER GREASE | Version: 1.0 |

1. Section 1. Identification of the substance/mixture and of the company/undertaking:

- 1.1. Product identifier : **COPPER GREASE - R 34470**
- 1.2. Relevant identified uses of the substance High-resistant copper lubricant or mixture and uses advised against:
- 1.3. Details of the supplier of the safety data sheet
Identification of manufacturer/Supplier:
RETECH, s.r.o.
Vackova 1541/4
150 00 Praha-5 Stodůlky
Telephone/Fax: +420 327 596 128, +420 327 596 428
Information: info@retech.cz
- 1.4. Emergency telephone number:
RETECH Suchdol 212, Suchdol u Kutné Hory
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)

2. Section 2. Hazard identification:

- The product is labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
The classification is in line with current EC lists, It is expanded, however, by information from technical literature and by information furnished by supplier companies.
- 2.1. Classification of the substance or mixture:
Classification according to Regulation (EC) No 1272/2008:
The product is not classified according to the CLP regulation.
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC:
The product is not classified according to Directive 1999/45/EC.
- 2.2. Label elements:
Labelling according to Regulation (EC) No 1272/2008:
No labelling.
- Labelling according to Directive 1999/45/EC:
No labelling.
- Special labeling of certain preparations:
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
- 2.3. Other hazards:
Results of PBT and vPvB assessment:
PBT: Not applicable
vPvB: Not applicable

3. Section 3. Composition/information on ingredients:

- 3.2. Mixtures:
Description: The active ingredient in propellants. Propellant compressed air.

Components:

| | | |
|--------------------------------------|---|------|
| CAS: 7440-50-8 EINECS: 231-159-6 | Metallic copper | <30% |
| CAS: 64741-88-4 EINECS: 265-090-8 | Distillates (petroleum), solvent-refined heavy paraffinic (Mineral oil) Contains mineral oil <3% DMSO extract by IP349 | >70% |

Additional information: For the wording of the listed risk phrases refer to section 16.

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4. Section 4. First aid measures:

4.1. Description of first aid measures:

- After inhalation: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
- After skin contact: Instantly remove any clothing soiled by the product, immediately wash with water and soap and rinse thoroughly. Get medical attention if irritation persists after washing.
- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- After swallowing: Do not induce vomiting, rinse out mouth and then drink plenty of water. Seek for medical advice immediately.

Most important symptoms and effects, both acute and delayed: No further relevant information available.

Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5. Section 5. Fire fighting measures:

5.1. Extinguishing media:

- Suitable extinguishing agents: Carbon dioxide (CO₂), fire-extinguishing powder, water haze or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: Water with full jet.

5.2. Special hazards arising from the substance or mixture:

Smoke, particulates and unidentified hydrocarbons upon combustion.

- 5.3. Advice for firefighters: Wear protective equipment/clothing when fighting fires.
 Pressurized container may explode when overheated.
 Cool the container with water.

6. Section 6. Accidental release measures:

6.1. Personal precautions, protective equipment and emergency procedures:

Wear protective equipment see Section 8.2. Keep unprotected persons away. Particular danger of slipping on leaked/spilled product.

6.2. Environmental precautions:

Do not allow product to reach sewage system, surface or ground water.

6.3. Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Collect mechanically.

Dispose of contaminated material as waste according to Section 13.

6.4. Reference to other sections:

See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment
 See Section 13 for disposal information.

7. Section 7. Handling and storage:

7.1. Information for safe handling:

Avoid contact with eyes, skin and clothing.
 Wash hands after use and before breaks.

Information about protection against explosions and fires: Pressurized container: protect from sunlight and do not expose and temperatures over 50°C. Do not pierce or burn, even after use.

7.2. Conditions for safe handling, including any incompatibilities:

Requirements to be met by storerooms and containers: Do not store near heat sources or expose to high temperatures. Store in cool location. Store in closed packing between 5°C and 25°C.

Information about storage in one common storage facility: Do not store together with strong oxidising agents.
 Further information about storage conditions: Protect from heat and direct sunlight.

7.3. Specific end use(s): No further relevant information available.

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8. Section 8. Exposure controls and personal protection:

- 8.1. Control parameters:
Components with limit values that require monitoring at the workplace:
Mineral oil- 5mgm3 (mists) 8 hr TWA for spray or mists.
Additional information:
The lists that were valid during the compilation were used as basis.
- 8.2. Exposure controls:
- | | |
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| Breathing equipment: | Not required, but ensure adequate ventilation when using the product. |
| Eye protection: | Safety glasses. |
| Protection of hands: | PVC or rubber gloves. |
| Protection of skin: | Protective clothing. |
- 8.3. General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.

9. Section 9. Physical and chemical properties:

- 9.1. Information on basic physical and chemical properties:
- | | |
|---|---|
| Appearance: | |
| form: | Pasty |
| colour: | Copper coloured |
| Odour threshold: | Petroleum-like |
| Value pH: | Not determined |
| Melting point/freezing point: | Not determined |
| Melting point/freezing point: | Not determined |
| Initial boiling point/boiling range: | Not determined |
| Flash point: | 210°C |
| Evaporation rate: | Not determined |
| Flammability (solid,gas): | Not applicable |
| Explosive properties: | Product is not explosive. |
| Upper/lower flammability or explosive limits: | |
| Explosion limits: lower (% Vol): | Not available |
| upper (% Vol): | Not available |
| Vapour pressure (at 20°C): | <10 ⁻⁶ torr/>9 (air=1) |
| Vapour density (at 20 °C): | Not determined |
| Relative density: | 0.95 g/cm ³ |
| Solubility in/miscibility with - water | Insoluble in water. Dispersible in non polar solvents |
| Partition coefficient (n-octanol/water): | Not determined |
| Auto-ignition temperature: | Not determined |
| Decomposition temperature: | Not determined |
| Viscosity: | Not determined |
| Oxidative properties: | Not determined |
- 9.2. Other information:
KpOW >3

10. Section 10. Stability and reactivity:

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| 10.1. Reactivity: | No further relevant information available. |
| 10.2. Chemical stability: | No further relevant information available. |
| 10.3. Possibility of hazardous reactions: | With strong oxidising substances. |
| 10.4. Conditions to avoid: | There are known no conditions to avoid. |
| 10.5. Incompatible materials: | There are known no incompatible materials. |
| 10.6. Hazardous products of decomposition: | Smoke, particulates and unidentified hydrocarbons upon combustion. |

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15. Regulatory information:

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

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:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after burn.

Discard empty packaging in separated waste.

Safety data sheet available for professional user on request.

Labelling hazardousness:

Void. Product is not classified as a hazardous.

Numbers and word reading associated hazard R-sentences :

Void

Numbers and word reading associated security S-sentences:

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.

Used legislation:

European Regulation (EC) No 1907/2006 – REACH.

European Regulation No 67/548EEC and 1999/45/EC.

Commission Regulation (EU) No 453/2010

15.2. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Section 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.

Relative R-phrases: Not

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)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)

WEL- Workplace exposure limits

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

***Compared to the last version the data has been changed.**