

Material Safety Data Sheet:

Engol Copper Compound 1 (130cSt, Copper)

1. Product and Company Identification

Product Name: Engol Copper Compound 1 (130cSt, Copper)
Product Use: Automotive Lubricant
Supplier: Engol Group (Pty) Ltd
4 Silicon Road,
Pinetown,
4147
Health Emergency Telephone: 10111
Contact Information: info@engolgroup.com
Engol Website: http://www.engolgroup.com

2. Hazards Identification

Emergency Overview
Physical State: Grease
Odour: Petroleum Odour

Potential Health Effects:

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation irritation: Inhalation of vapors (generated at high temperatures only) or oil mist may cause mild irritation of the nose, throat, and respiratory tract.

Skin contact: Lubricating oils are generally considered no more than minimally irritating to the skin.

Eye contact: Lubricant oils are generally considered no more than minimally irritating to the eyes. May cause slight irritation of the eyes.

Ingestion Irritation: Although this product has a low order of acute oral toxicity, aspiration of minute amounts into the lungs during ingestion or vomiting may cause severe pulmonary injury and possibly death.

Ingestion toxicity: Lubricating oils are generally no more than slightly toxic if swallowed.

Long-Term (Chronic) - Reproductive: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

Skin contact: Prolonged and repeated contact may result in defatting and drying of the skin that may cause various skin disorders such as dermatitis, folliculitis, or oil.

HMIS Ratings:
Health: 1
Flammability: 1
Reactivity: 0
PPE: B

0 - Least

1 - Slight

2 - Moderate

3 - High

4 - Extreme

3. Composition / Information on Ingredients

| Chemical Name | % | CAS # |
|--|--------|------------|
| Distillates, hydro-treated heavy paraffinic, synthetic | 70-95% | 64742-54-7 |
| Mineral Oil and Additives | 0.5-30 | 6878336-8 |
| Stearate | 78-69 | 1592-23-0 |

Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard)

4. First Aid Measures

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| Inhalation: | Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately. |
| Eyes: | Flush with water. If irritation occurs, get medical attention. Rest eyes for 30 minutes. If redness, burning, blurred vision, or swelling occur, transport to nearest medical facility for additional treatment. |
| Skin contact: | Remove contaminated clothing and shoes and wipe excess from skin. Flush skin with water, then wash with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. If redness, swelling, pain, and/or blisters occur, transport to the nearest medical facility for additional treatment. |
| Ingestion: | Minimal risk of harm if swallowed. Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this MSDS. |
| Notes to doctor: | Aspiration during swallowing or vomiting may severely cause damage to the lungs. |

5. Firefighting Measures:

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| Flammability Summary: | Combustible at elevated temperatures |
| Extinguishing media: | Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do Not direct a stream of water into the hot burning liquid. |
| Fire and/or explosion hazard: | Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire. |
| Fire fighting methods and protection | Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use methods and protection for the surrounding fire. |
| Hazardous combustion products: | Carbon dioxide, Carbon monoxide. |
| Flash point: | 220°C |

6. Accidental Release Measures:

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| Personal precautions and Equipment | No health effects expected from the clean-up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section VIII of this MSDS. |
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6. Accidental Release Measures:

Methods for clean-up : Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section VIII at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. Handling and Storage:

Handling : Mildly irritating material. Avoid unnecessary exposure.

Storage: Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Do not expose to extreme temperatures or flames.

8. Exposure Controls / Personal Protection:

Engineering measures: No special requirements.

Respiratory protection: No special requirements.

Eye protection: Wear safety glasses when handling this product.

Skin protection: Gloves should be worn.

Exposure limits: N/A

9. Physical and Chemical Properties:

Physical state: Grease

Odour: Petroleum Odour

pH: ND

Viscosity: 430 cSt @ 40°C

Solubility in water: Insoluble

Specific gravity: 0.86 - 0.9

Flash point: 220°C

Colour: Grey

No hazardous decomposition of products if stored and handled as prescribed.

Stability: Stable

Conditions to avoid: High temperatures

Incompatibility: Store away from oxidising agents

10. Toxicological Information:

Oral: RATS Almost non-toxic (LD50 < 2000mg/kg)

Inhalation: None

Eyes: None

Skin: None

11. Ecological Information:

Degradation potential: No experimental data on the final product. Does contain mineral or synthetic oil which is degradable over time.

Further information: This product is considered as dangerous to ground flora.

12. Disposal Considerations:

Disposal of packaging: Recycle containers whenever possible.

Disposal methods: Dispose of according to Federal, State, Local, or Provincial regulations. Recycle used oil.

13. Transportation Information:

Special information: DOT & IMDG: NOT RESTRICTED

14. Regulatory Information:

Labeling: The product is classified as dangerous.

R-Phrases: R10 - Flammable.

S-Phrases: S25 - Avoid contact with eyes.
N61 - Avoid release to environment.

Water hazard class: N.E.

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