

# Material Safety Data Sheet

## Copper Anti-Seize Paste

**AESSEAL plc**  
Global Technology Centre  
Mill Close  
Bradmarsh Business Park  
ROTHERHAM  
S60 1BZ

### 1. Identification

<b>Product Name:</b>	Copper Anti-Seize Paste
<b>Application:</b>	Lead free anti-seize lubricant
<b>Appearance:</b>	Smooth, gold coloured grease.

### 2. Composition

<b>General:</b>	Micro sized particles of copper in a non-melt grease with inhibitors			
<b>Hazardous Ingredients:</b>	Ingredients	CAS	REACH	Regulation (EC) No. 1272/2008 (CLP)
	Distillates (petroleum), hydrotreated heavy naphthenic substance (50-80%)	64742-52-5	01-2119467170-45	Not Classified
	Limestone (5-10%)	1317-65-3	Exempt in accordance with Annex V.7	Not Classified
	Copper Flakes (< 3%)	N/A	01-2119480154-42	H302, H331, H319, H400, H410
	Propylene Carbonate (< 3%)	108-32-7	01-2119537232-48	H319
	Graphite (< 1%)	7782-42-5	01-2119486977-12	Not Classified

### 3. Hazard Identification

H412 – Hazardous to the Aquatic Environment – Chronic Hazard (Cat 3)

### 4. First Aid Measures

<b>Eyes:</b>	Wash out eye with plenty of water. Obtain medical attention if soreness or redness persists
<b>Skin:</b>	Remove all contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap. Ensure contaminated clothing is washed before re-use or discard. If irritation develops and persists, seek medical attention. Should grease be accidentally injected under the skin no matter how minor, seek IMMEDIATE medical attention.
<b>Ingestion:</b>	DO NOT induce vomiting. Immediately wash out mouth with water, and then give plenty of water to drink. Seek medical attention.
<b>Inhalation:</b>	Remove patient to fresh air. Ensure airways are clear and have qualified person give oxygen through facemask if breathing is difficult. If irritation develops, seek medical attention. Note: inhalation is unlikely during normal intended usage.
<b>Other:</b>	No special first aid facilities are required.

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### 5. Fire Fighting Measures

<b>Extinguisher Media:</b>	Use water as fog or spray to cool fire exposed containers. Do not use direct stream of water; product will float and possible re-ignite.
<b>Product of Combustion:</b>	Oxides of carbon maybe produced if this product was to burn.
<b>Protective Equipment:</b>	Self contained breathing apparatus and full protective clothing should be worn

### 6 Accidental Release Measures

Spills procedure: SMALL - 20 LITRES OR LESS

Soak up with inert oil absorbent. Arrange for disposal through an approved facility.

Spills procedure: LARGE GREATER THAN 20 LITRES

Remove all sources of ignition. Increase ventilation. Evacuate all unnecessary personnel. Wear full protective equipment and clothing to minimise exposure. If possible contain the spill. Place inert, absorbent material such as vermiculite, sand or dirt onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. If large quantities of this material enter the waterways, contact the Environmental Protection Authority or your local Waste Management Authority.

### 7. Storage & Handling

<b>Handling Precautions:</b>	Repeated or prolonged contact with this material should be avoided in order to lessen the possibility of skin disorders. It is essential that all who come into contact; maintain high standards of personal hygiene, i.e. washing hands prior to eating, drinking or going to the toilet. Build-up of mists in the working atmosphere must be prevented. Misuse of empty containers can be hazardous. Do not cut, weld, heat or drill containers. Residue may ignite with explosive violence if heated sufficiently. Do not pressurise or expose to open flame or heat. Keep container closed and bung in place.
<b>Storage Conditions:</b>	Classified as a combustible substance for storage and handling purposes. Store in a cool, dry, well-ventilated area, out of direct sunlight, at an ambient temperature. Avoid sparks, flames, and other ignition sources. Store away from incompatible materials such as strong oxidizers, strong bases and strong acids.

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### 8. Exposure Controls / Personal Protection Measures

<b>Exposure Limits:</b>	Substance	TWA ppm	TWA mg/m <sup>3</sup>	STEL ppm	STEL mg/m <sup>3</sup>
	Distillates (petroleum)	-	1	-	3
	Limestone	-	10	-	-
	Graphite	-	2	-	-
<b>Personal Protection:</b>	<p><b>Engineering Controls</b> Good ventilation. Avoid spills. Do not walk on spills.</p> <p><b>Respiratory Protection</b> Only required if ventilation is poor. If insufficient ventilation, respiratory protective device with particle filter recommended.</p> <p><b>Skin Protection</b> Nitrile rubber gloves are recommended. Suitable protective clothing should be worn.</p> <p><b>Eye Protection</b> Chemical safety goggles are recommended.</p>				

### 9. Physical & Chemical Properties

<b>Appearance:</b>	Solid copper paste
<b>Odour:</b>	Negligible / Odourless.
<b>Flash Point (PMCC):</b>	>200°C
<b>Boiling Point:</b>	Not available
<b>Melting point:</b>	>280°C
<b>Solubility in Oil / Water:</b>	Insoluble in Water
<b>pH:</b>	N/A
<b>Specific gravity:</b>	N/A

### 10. Stability & Reactivity

<b>Stability:</b>	Stable under normal conditions of storage and handling. No dangerous reactions known
<b>Incompatibility:</b>	Strong oxidising agents. Avoid High Temperatures (Above 200 °C)
<b>Decomposition:</b>	Combustion will generate smoke & oxides of carbon

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### 11. Toxicological Information

<b>Acute Toxicity</b>	No toxic components
<b>Corrosively / Irritation</b>	Non irritating to skin/eye/respiratory track
<b>Sensitisation</b>	No evidence of sensitisation local necrosis and tissue damage.
<b>Repeat Dose Toxicity</b>	No evidence
<b>Mutagenicity / Carcinogenicity</b>	No evidence

### 12. Ecological Information

<b>Mobility:</b>	Spillages are unlikely to penetrate the soil.
<b>Persistence &amp; Degradability:</b>	This product is inherently biodegradable.
<b>Bioaccumulative Pollution:</b>	Product is not expected to bio-accumulate.
<b>Aquatic toxicity:</b>	Not considered harmful to aquatic organisms. Considered harmful to aquatic life with long lasting effects.

### 13. Disposal Considerations

Dispose of waste according to federal, EPA, state and local regulations. Assure conformity with all applicable regulations. Recycle as far as possible.

### 14. Transportation

UN CLASS:	Not classified.
ADR/RID – CLASS:	Not classified.
IMDG – CLASS:	Not classified.
IATA – CLASS:	Not classified.

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### 15. Regulatory Information

<b>Hazard Label Data:</b>	None
<b>Risk and Safety Phrases:</b>	None
<b>E.C. Directives:</b>	Conforms to regulation (EC) No 1907/2006 (REACH) Annex II
<b>Statutory Information:</b>	Supply regulations; classified as non hazardous under DPD/GHS/CLP criteria.  Transport regulations classified as non hazardous under ADR/RID/IMDG/ICAO/IATA

### 16. Other Information

To the best of our knowledge, the information contained herein is accurate. Although certain hazards may be described we cannot predict that these are the only hazards, or combination of hazards, that may exist in a workplace. This MSDS, therefore, forms a component only of a risk assessment carried out by, or on behalf of, the user.

For industrial use only. Lubricant.

S- Phrases: None

R – Phrases: None

H412 – Hazardous to the Aquatic Environment – Chronic Hazard (Cat 3)

Conforms to regulation (EC) No 1907/2006 (REACH) Annex II