

# PrOventus (UK) Ltd

## TECHNICAL DATA

### COPPER ANTI-SEIZE COMPOUND

#### *Description*

*COPPER ANTI-SEIZE COMPOUND is a lead-free compound for threaded connections of pipes, flanges and threaded fasteners subjected to high temperatures and/or corrosive environments. The compound overcomes galling on assembly and greatly reduces dismantling torque. It is suitable for use as an anti-seize up to 1100°C and protects against seizure in conditions of high corrosion and chemical attack.*

*Suitable as an anti-seize for a wide range of aggressive conditions, which include applying to pipe fittings and valves in the chemical and petrochemical industry, gas refining and for oil drilling equipment.*

#### *Outstanding Features*

- 1. Prevents seizure and galling during assembly.*
- 2. Enables the easy dismantling of corroded component.*
- 3. Provides highly effective anti-seize in aggressive conditions, including chemical environments and salt water*
- 4. Enables components to be reused after dismantling*

#### *Directions for use*

*Apply sparingly by brush to both the threaded components prior to assembly. For optimum performance, ensure that both the threaded surfaces are completely coated with COPPER ANTISEIZE COMPOUND.*

#### TYPICAL PHYSICAL CHARACTERISTICS

<i>Appearance</i>	-	<i>Copper coloured smooth paste</i>
<i>NLGI Classification</i>	-	<i>1 to 2</i>
<i>Thickener</i>	-	<i>Organically modified clay</i>
<i>Dropping point</i>	-	<i>Above 280°C</i>
<i>Lubricating solids</i>	-	<i>Copper, graphite</i>
<i>Solids content</i>	-	<i>&gt;20%</i>
<i>Electrical conductivity</i>	-	<i>Excellent</i>
<i>Anti-seize temperature range</i>	-	<i>-30°C to 1100°C</i>
<i>Coefficient of Friction</i>	-	<i>0.12</i>

*The content of this data sheet is given in good faith but without warranty. (Apr 09)*

# Proventus (UK) Ltd

## M S D S

DATE : 26/07/09

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### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY NAME

PRODUCT NAME: COPPER ANTISEIZE COMPOUND

PRODUCT CODE:

COMPANY NAME: PROVENTUS (UK) Ltd  
Unit 3, 5 Westland Square  
Leeds  
LS11 5SS  
Tel: +44 (0)113 2705013  
Fax: +44 (0)113 2771392  
Emergency tel: +44 (0)7806092332  
e-mail : proventus@btconnect.com

### 2. HAZARDS IDENTIFICATION

MAIN HAZARDS: Not classified as hazardous

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS: SOLVENT REFINED MINERAL OIL 30 - 60%. CAS: 64742-62-7

### 4. FIRST AID MEASURES

EYE CONTACT Wash out eye with plenty of water. Obtain medical attention if soreness or redness persists

SKIN CONTACT: Wash skin with soap and water. If grease has been injected under the skin, seek Medical advice immediately.

INGESTION: Do not induce vomiting. Obtain medical attention

### 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use water Spray to cool containers. Use foam, dry chemical, carbon dioxide or suitable extinguishing media.

EXPOSURE HAZARDS: This product may give rise to hazardous fumes in a fire.

PROTECTION FOR FIRE- FIGHTERS: Wear self-contained breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Refer to section 8 for personal protection details

SPILLAGES: Transfer into suitable containers for recovery or disposal.

### 7. HANDLING AND STORAGE

HANDLING: Avoid direct contact with the substance.

STORAGE: Store in cool well ventilated area

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



HAZARDOUS INGREDIENTS: SOLVENT REFINES BASE OIL. TWA (8 Hr exposure limit): 5mg/m<sup>3</sup> STEL (15min exposure limit): 10mg/m<sup>3</sup> (OES)

HAND PROTECTION: PVC gloves

EYE PROTECTION: Wear approved safety goggles

BODY PROTECTION: Normal work wear

RESPIRATORY PROTECTION: Not normally required

# Priventus (UK) Ltd

## M S D S

DATE : 26/07/07

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COPPER ANTISEIZE COMPOUND

### 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Smooth Grease  
COLOUR: Copper  
ODOUR: Odourless.  
MELTING POINT (°C): Melts above 200  
FLASH POINT (PMCC) (°C): Exceed 200.  
SOLUBILITY IN WATER (KG/M3): Insoluble.  
DENSITY (KG/M3): 1.2 (Measured as kg/litre)  
AUTO-FLAMMABILITY (°C): Above 200.

### 10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.  
CONDITIONS TO AVOID: Heat.  
MATERIALS TO AVOID: Strong oxidising agents.  
HAZARDOUS DECOMPOSITION PRODUCTS: Combustion will generate: smoke, carbon dioxide and carbon monoxide

### 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY Low order of acute toxicity.

### 12. ECOLOGICAL INFORMATION

MOBILITY: Non volatile. The product is poorly absorbed onto soils or sediments.  
PERSISTENCE & DEGRADABILITY: Only slightly biodegradable.  
BIO-ACCUMULATION: Product is not expected to bio-accumulate.

### 13. DISPOSAL RECOMMENDATIONS

PRODUCT DISPOSAL: Dispose in a regulated landfill site or other method for hazardous or toxic waste. Dispose of in accordance with local and national regulations.

### 14. TRANSPORT INFORMATION

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

### 15. REGULATORY INFORMATION

HAZARD SYMBOLS: No significant hazard.  
R PHRASES: NONE.  
S PHRASES: NONE.

### 16. OTHER INFORMATION

PRODUCT USE: For industrial use only. Lubricant.

EC Directive 91/155/EEC defining the laying down and detailed arrangements for the system of specific information relating to Dangerous Preparations Directive – 2001/58/EC. EC Directive 88/379/EEC relating to the classification, packaging and labelling of dangerous preparations.

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.