



## SAFETY DATA SHEET

### Copper Anti Seize Grease

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name                      Copper Anti Seize Grease

Product number                      BCAG

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses                      Lubricant.

Uses advised against                      No specific uses advised against are identified.

##### 1.3. Details of the supplier of the safety data sheet

Supplier                      ASTRAL CSL  
                                     Pilkingtons Industrial Estate  
                                     Rake Lane  
                                     Swinton  
                                     M27 8LP  
                                     United Kingdom  
                                     TEL: +44 (0) 161 643 0260  
                                     [info@astralcsl.com](mailto:info@astralcsl.com)  
                                     FAX: +44 (0) 870 199 2072

##### 1.4. Emergency telephone number

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification

Physical hazards                      Not Classified

Health hazards                      Not Classified

Environmental hazards                      Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412

##### 2.2. Label elements

###### Pictogram



Signal word                      Warning

Hazard statements                      H400 Very toxic to aquatic life.  
                                     H412 Harmful to aquatic life with long lasting effects.

Precautionary statements                      P273 Avoid release to the environment.  
                                     P391 Collect spillage.  
                                     P501 Dispose of contents/container in accordance with national regulations.

## Copper Anti Seize Grease

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

Copper Paste	5-10%
CAS number: —	
M factor (Acute) = 10	
Classification	
Acute Tox. 4 - H302	
Aquatic Acute 1 - H400	
Aquatic Chronic 2 - H411	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

General information	If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.
Ingestion	Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.
Skin contact	Rinse with water.
Eye contact	Rinse with water. Get medical attention if any discomfort continues.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

#### 4.2. Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known.
Skin contact	Prolonged contact may cause dryness of the skin.
Eye contact	No specific symptoms known. May be slightly irritating to eyes.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

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### 5.2. Special hazards arising from the substance or mixture

Specific hazards	None known.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

### 5.3. Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk.
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### 6.2. Environmental precautions

Environmental precautions	Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.
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### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. For waste disposal, see Section 13.
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### 6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Usage precautions	Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.
Advice on general occupational hygiene	Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.
Storage class	Miscellaneous hazardous material storage.

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### 7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

#### Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

Hand protection

No specific hand protection recommended. Avoid contact with skin.

Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

Respiratory protection marked.

Ensure all respiratory protective equipment is suitable for its intended use and is 'CE' -

Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with European Standard EN14387. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.

Environmental exposure controls

Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Appearance	Paste.
Colour	Copper.
Odour	Almost odourless.
Melting point	>200°C
Flash point	> 200°C
Solubility(ies)	Soluble in the following materials: Mineral acids. Organic solvents. Insoluble in water.

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

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Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No potentially hazardous reactions known.
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### 10.4. Conditions to avoid

Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
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### 10.5. Incompatible materials

Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
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### 10.6. Hazardous decomposition products

Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

Notes (oral LD <sub>50</sub> )	Based on available data the classification criteria are not met.
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ATE oral (mg/kg)	10,000.0
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#### Acute toxicity - dermal

Notes (dermal LD <sub>50</sub> )	Based on available data the classification criteria are not met.
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#### Acute toxicity - inhalation

Notes (inhalation LC <sub>50</sub> )	Based on available data the classification criteria are not met.
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#### Skin corrosion/irritation

Animal data	Based on available data the classification criteria are not met.
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#### Serious eye damage/irritation

Serious eye damage/irritation	Based on available data the classification criteria are not met.
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#### Respiratory sensitisation

Respiratory sensitisation	Based on available data the classification criteria are not met.
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#### Skin sensitisation

Skin sensitisation	Based on available data the classification criteria are not met.
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#### Germ cell mutagenicity

Genotoxicity - in vitro	Based on available data the classification criteria are not met.
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#### Carcinogenicity

Carcinogenicity	Based on available data the classification criteria are not met.
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IARC carcinogenicity	None of the ingredients are listed or exempt.
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#### Reproductive toxicity

Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
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Reproductive toxicity - development	Based on available data the classification criteria are not met.
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#### Specific target organ toxicity - single exposure

## Copper Anti Seize Grease

STOT - single exposure      Not classified as a specific target organ toxicant after a single exposure.

### Specific target organ toxicity - repeated exposure

STOT - repeated exposure      Not classified as a specific target organ toxicant after repeated exposure.

### Aspiration hazard

Aspiration hazard      Not relevant. Solid.

General information      The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation      No specific symptoms known.

Ingestion      No specific symptoms known.

Skin contact      Prolonged contact may cause dryness of the skin.

Eye contact      No specific symptoms known.

Route of entry      Ingestion Inhalation Skin and/or eye contact

Target organs      No specific target organs known.

## SECTION 12: Ecological Information

### 12.1. Toxicity

Toxicity      Aquatic Acute 1 - H400 Very toxic to aquatic life. Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

Persistence and degradability      The degradability of the product is not known.

### 12.3. Bioaccumulative potential

Bioaccumulative potential      No data available on bioaccumulation.

### 12.4. Mobility in soil

Mobility      No data available.

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

Other adverse effects      None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

General information      The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods      Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Incineration or landfill should only be considered when recycling is not feasible.

## SECTION 14: Transport information

## Copper Anti Seize Grease

General                      The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to    Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

## SECTION 15: Regulatory information

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

National regulations	<p>Health and Safety at Work etc. Act 1974 (as amended).</p> <p>The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).</p> <p>The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].</p> <p>EH40/2005 Workplace exposure limits.</p>
EU legislation	<p>Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).</p> <p>Commission Regulation (EU) No 453/2010 of 20 May 2010.</p> <p>Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).</p> <p>Dangerous Preparations Directive 1999/45/EC.</p> <p>Dangerous Substances Directive 67/548/EEC.</p>

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

Classification procedures according to Regulation (EC) 1272/2008                      Aquatic Acute 1 - H400: Aquatic Chronic 3 - H412: : Calculation method.

## Copper Anti Seize Grease

Training advice	Only trained personnel should use this material.
Revision date	19/05/2016
Revision	1
SDS number	4548
Hazard statements in full	H302 Harmful if swallowed. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.