



Certificate Number 768  
ISO 9001

## CS-90 Copper AntiSeize Grease with Graphite

# SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

### 1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

<b>1.1 Product identifier</b>	
Product Name	CS-90 Copper AntiSeize Grease with Graphite.
Trade Name	CS-90 Copper AntiSeize Grease with Graphite.
Part No.	1611
CAS No.	Mixture.
EINECS No.	Mixture.
REACH Registration No.	None assigned.
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	
Identified use(s)	Corrosion inhibitor/lubricants to be used on exhaust manifolds, boiler parts, brake components.
Uses advised against	None known.
<b>1.3 Details of the supplier of the Safety Data Sheet</b>	
Company Identification	Action Can Ltd., Dixon Close, Old Boston Trading Estate, Haydock, St. Helens, Merseyside. WA11 9SF.
Telephone	00 44 1942 713667
Fax	01942 716235
E-Mail (competent person)	info@actioncan.com
<b>1.4 Emergency telephone number</b>	
Emergency Phone No.	01942 713667 (Mon - Fri: 9am to 5pm)

### 2. SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture Regulation (EC) No. 1272/2008 (CLP)</b>	Not classified as dangerous for supply/use.
<b>2.2 Label elements</b>	According to Regulation (EC) No. 1272/2008 (CLP)
Product Name	CS-90 Copper AntiSeize Grease with Graphite.
Hazard Pictogram(s)	None.
Signal Word(s)	None.
Hazard Statement(s)	None.
Precautionary Statement(s)	None.
<b>2.3 Other hazards</b>	None.
<b>2.4 Additional Information</b>	None.



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### 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Contains: Thickeners / Soap, Additive: Corrosion Resistant

#### 3.1 Mixtures

EC Classification No. 1272/2008

Ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
White mineral oil (petroleum)	-	8042-47-5	232-455-8	01-2119487078-27-0000	None
Copper	-	7440-50-8	231-159-6	01-2119480154-42-0000	None
Graphite	-	7782-42-5	231-955-3	01-2119486977-12-0000	None

#### 3.2 Additional Information

None.

### 4. SECTION 4: FIRST AID MEASURES



#### 4.1 Description of first aid measures

Inhalation	Move person to fresh air. Keep patient at rest and give oxygen if breathing difficult.
Skin Contact	Remove contaminated clothing. Wash skin with soap and water.
Eye Contact	Remove contact lenses if worn. Hold eye open and rinse slowly and gently with water for 15-20 minutes.
Ingestion	Wash out mouth with water.

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

None anticipated.

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

Unlikely to be required but if necessary treat symptomatically.

### 5. SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing Media

Suitable Extinguishing Media: Extinguish with carbon dioxide, dry chemical, foam or waterspray.  
Unsuitable Extinguishing Media: Water jet spray.

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

Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide.

#### 5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.



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### 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- |  |   |
|--|---|
| <b>6.1 Personal precautions, protective equipment and emergency procedures</b> | Provide adequate ventilation. Wash hands thoroughly after handling. |
| <b>6.2 Environmental precautions</b>   | Do not allow to enter drains, sewers or watercourses.               |
| <b>6.3 Methods and material for containment and cleaning up</b>                | Collect mechanically and dispose of according to Section 13.        |
| <b>6.4 Reference to other sections</b>   | See Also Section: 8, 13.  |

### 7. SECTION 7: HANDLING AND STORAGE

- |   |   |
|---|---|
| <b>7.1 Precautions for safe handling</b>                                | No special measures are required.   |
| <b>7.2 Conditions for safe storage, including any incompatibilities</b> |   |
| Storage Temperature   | Ambient.  |
| Storage Life  | Stable under normal conditions.   |
| Incompatible materials  | None known.   |
| <b>7.3 Specific end use(s)</b>  | Corrosion inhibitor/lubricants to be used on exhaust manifolds, boiler parts, brake components. |

### 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**  
**8.1.1 Occupational Exposure Limits**

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Copper	7440-50-8	-	0.2	-	-	WEL

WEL: Workplace Exposure Limit (UK HSE EH40)

- |   |   |
|---|---|
| <b>8.1.2 Biological limit value</b>           | Not established.  |
| <b>8.1.3 PNECs and DNELs</b>                  | Not established.  |
| <b>8.2 Exposure controls</b>                  |   |
| <b>8.2.1 Appropriate engineering controls</b> | Provide adequate ventilation.                                   |
| <b>8.2.2 Personal protection equipment</b>    |   |
| Eye/face protection                           | Not normally required.  |
|   |   |
| Skin protection (Hand protection/ Other)      | Not normally required.  |
|   |   |
| Respiratory protection                        | No personal respiratory protective equipment normally required. |
|   |   |
| Thermal hazards                               | Not applicable.   |
|   |   |
| <b>8.2.3 Environmental Exposure Controls</b>  | Do not allow to enter drains, sewers or watercourses.           |



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### 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Semi-solid, Grease-like.
Colour	Copper.
Odour	Hydrocarbon.
Odour Threshold	Not determined.
pH	Not applicable.
Melting Point/Freezing Point	Not available.
Initial boiling point and boiling range	Not available.
Flash Point	Not available.
Evaporation rate	Not determined.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	1100kg/m <sup>3</sup> @ 15 °C (ASTM D 1298)
Solubility(ies)	Insoluble in water. Soluble in: Aliphatic hydrocarbons
Partition coefficient: n-octanol/water	Not determined.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

#### 9.2 Other information

Worked penetration	200mm @ 25°C (60 ASTM D 217 0.1)
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### 10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	No hazardous reaction known if used for its intended purpose.
10.4 Conditions to avoid	Heat and direct sunlight.
10.5 Incompatible materials	None known.
10.6 Hazardous Decomposition Product(s)	No hazardous decomposition products known.

### 11. SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

##### 11.1.1 Mixtures

Acute toxicity	Low acute toxicity.
Irritation	Non-irritant.
Corrosivity	Not classified.
Sensitisation	It is not a skin sensitiser.
Repeated dose toxicity	None anticipated.
Carcinogenicity	No evidence of carcinogenicity.
Mutagenicity	There is no evidence of mutagenic potential.
Toxicity for reproduction	None anticipated.

#### 11.2 Other information

None.



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### 12. SECTION 12: ECOLOGICAL INFORMATION

12.1	<b>Toxicity</b>	Low toxicity to aquatic organisms.
12.2	<b>Persistence and degradability</b>	Not readily biodegradable.
12.3	<b>Bioaccumulative potential</b>	The product has low potential for bioaccumulation.
12.4	<b>Mobility in soil</b>	Insoluble in water. The product is predicted to have low mobility in soil.
12.5	<b>Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
12.6	<b>Other adverse effects</b>	None known.

### 13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	<b>Waste treatment methods</b>	Dispose of wastes in an approved waste disposal facility.
13.2	<b>Additional Information</b>	Disposal should be in accordance with local, state or national legislation.

### 14. SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport.

14.1	<b>UN number</b>	Not applicable.
14.2	<b>UN Proper Shipping Name</b>	Not applicable.
14.3	<b>Transport hazard class(es)</b>	Not applicable.
14.4	<b>Packing Group</b>	Not applicable.
14.5	<b>Environmental hazards</b>	Not applicable.
14.6	<b>Special precautions for user</b>	Not applicable.
14.7	<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
14.8	<b>Additional Information</b>	None.

### 15. SECTION 15: REGULATORY INFORMATION

15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
15.1.1	<b>EU regulations</b>	
	Authorisations and/or restrictions on use	
	Candidate List of Substances of Very High Concern for Authorisation	All chemicals are not listed.
	REACH: ANNEX XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	All chemicals are not listed.
	REACH: ANNEX XIV List of substances subject to authorisation	All chemicals are not listed.
	Community Rolling Action Plan (CoRAP)	All chemicals are not listed.
15.1.2	<b>National regulations</b>	None known.
15.2	<b>Chemical Safety Assessment</b>	Not available.



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### 16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

#### LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative

#### Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose.

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#### Annex to the extended Safety Data Sheet (eSDS)

No information available.