

SDS ATTACHMENT

PLEASE ATTACH THIS COMPLETED SHEET TO THE SDS FOR:

PRODUCT:

CS90 Copper Anti-Seize Grease

DATE:

(SDS date)

5-Sep-14

1. Manufacturer/Supplier:

Tradegear Ltd
Level 1, 99 Clarence Street
Riccarton
Christchurch 8011
New Zealand
Phone: 0800 22 44 34 or +64 3 331 6517
Fax: 0800 22 11 51 or +64 9 522 8833
24 hr emergency contact: +64 21 510 624
Website: www.tradegear.co.nz
Email: office@tradegear.co.nz

Emergency Information:

National Poison Centre: 0800 764 766
Chemcall 24/7 Emergency Response Service: 0800 243 622

13. Disposal Considerations:

Product

Recommendation - Consult local or national regulations to ensure proper disposal.

Packaging

Disposal must be made according to official regulations.

16. Other Information:

Employers should use this information only as a supplement to other information gathered by them and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.



CS-90 Copper Anti-Sieze 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

1.1 Product identifier	
Product Name	CS-90 Copper Anti-Sieze Grease with Graphite.
Trade Name	CS-90 Copper Anti-Sieze Grease with Graphite.
Part No.	1829
CAS No.	Mixture.
EINECS No.	Mixture.
REACH Registration No.	None assigned.
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Identified use(s)	Lubrication of metal components subjected to extreme pressure loading and extreme temperatures.
Uses advised against	Do not mix with water/other chemicals.
1.3 Details of the supplier of the Safety Data Sheet	
Company Identification	Action Can Ltd., Dixon Close, Old Boston Trading Estate, Haydock, St. Helens, Merseyside. WA11 9SF.
Telephone	01942 713667
Fax	01942 716235
E-Mail (competent person)	info@actioncan.com
1.4 Emergency telephone number	
Emergency Phone No.	01942 713667 (Mon - Fri: 9am to 5pm)

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
Regulation (EC) No. 1272/2008 (CLP)	Flam. Aerosol 1; Extremely flammable aerosol. Pressurised container: May burst if heated. Skin Irrit. 2; Causes skin irritation. STOT SE 3; May cause drowsiness or dizziness. Aquatic Chronic 2; Toxic to aquatic life with long lasting effects.
2.2 Label elements	
Product Name	According to Regulation (EC) No. 1272/2008 (CLP) CS-90 Copper Anti-Sieze Grease with Graphite.
Hazard pictogram(s)	
Signal word(s)	GHS02 GHS07 GHS09 Danger.



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Hazard statement(s)	H222: Extremely flammable aerosol. H229: Pressurised container: May burst if heated. H315: Causes skin irritation. H336: May cause drowsiness or dizziness. H411: Toxic to aquatic life with long lasting effects.
Precautionary statement(s)	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211: Do not spray on an open flame or other ignition source. P251: Do not pierce or burn, even after use. P273: Avoid release to the environment. P302+P352: IF ON SKIN: Wash with plenty of water. P410+P412: Protect from sunlight. Do no expose to temperatures exceeding 50°C/ 122°F.
Additional Information	Keep out of reach of children. Do not spray on a naked flame or any incandescent material. This product is aerosol packed and in a limited quantity as such it is unlikely to pose a significant spill or environmental hazard.
2.3 Other hazards	None.
2.4 Additional Information	For full text of H/P phrases see section 16. Gloves advised as general industrial good practice.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product as supplied: Aerosol.

3.1 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	% W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Petroleum gases, liquefied	30 - 60	68476-85-7	270-704-2	None assigned	GHS02, Flam. Gas 1; H220, GHS04, Press. Gas: Liquefied gas; H280
Naphtha (petroleum), hydrotreated light	30 - 50	64742-49-0	265-151-9	None assigned	GHS02, Flam. Liq. 1; H224, GHS07, Skin Irrit. 2; H315, STOT SE 3; H336, GHS08, Asp. Tox. 1; H304, GHS09, Aquatic Chronic 2; H411

3.2 Additional Information

For full text of H/P phrases see section 16.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

Skin Contact

IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.



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Eye Contact	Hold eye open and rinse slowly and gently with water for 15-20 minutes. If symptoms persist, obtain medical attention.
Ingestion	Unlikely route of exposure.
4.2 Most important symptoms and effects, both acute and delayed	Vapours may cause drowsiness and dizziness.
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 preferably with dry chemical, sand or carbon dioxide.
Unsuitable Extinguishing Media	Water.
5.2 Special hazards arising from the substance or mixture	Heating may cause pressure rise with risk of bursting. Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide, Oxides of nitrogen, Smoke.
5.3 Advice for fire-fighters	Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions. Cool burning stock with water spray to cool and reduce the risk of aerosol bursting.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

The product is an aerosol. It is unlikely to present spillage or leakage hazard. In case of rupture, released content should be contained as any other solvent spill.

6.1 Personal precautions, protective equipment and emergency procedures	Eliminate sources of ignition. Ensure adequate ventilation. Stop leak if safe to do so. Avoid breathing vapours. Wear protective gloves.
6.2 Environmental precautions	Avoid release to the environment.
6.3 Methods and material for containment and cleaning up	Place leaking cans in a bucket or pail to minimise product contamination of surfaces. Collect spillage. Absorb remaining liquid in sand or inert absorbent and remove to safe place. Transfer to a container for disposal. Do NOT wash away into sewer. Containers must not be punctured or destroyed by burning, even when empty.
6.4 Reference to other sections	See Also Section 7, 8, 13.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from: Electrostatic charge. Do not let the can touch battery terminals, electrical connectors or any source of electricity. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Use product in a well-ventilated area only. Ensure adequate ventilation. Avoid breathing vapours. Avoid prolonged skin contact. Wear protective gloves. Wash hands thoroughly after handling.
7.2 Conditions for safe storage, including any incompatibilities	Protect from sunlight. Store in a well-ventilated place. Keep container tightly closed. Industrial product for professional use. Locked storage does not apply to this product.
Storage Temperature	Do not expose to temperatures exceeding 50°C/ 122°F.
Storage Life	Stable under normal conditions.
Incompatible materials	Strong oxidising agents, Strongly alkaline, Strongly acidic.

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- 7.3 Specific end use(s)** Lubrication of metal components subjected to extreme pressure loading and extreme temperatures.




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 ³)	STEL (ppm)	STEL (mg/m ³)	Note
Petroleum gases, liquefied	68476-85-7	1000	1750	1250	2180	WEL

WEL: Workplace Exposure Limit (UK HSE EH40)

- 8.1.2 Biological limit value** Not established.
- 8.1.3 PNECs and DNELs** Not established.
- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls** Provide adequate ventilation.
- 8.2.2 Personal protection equipment**
- Eye/face protection Not normally required.
-  Skin protection (Hand protection/Other) Wear suitable gloves.
-  Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment. A suitable mask with filter type A (EN14387 or EN405) may be appropriate.
-  Thermal hazards Not applicable.
- 8.2.3 Environmental Exposure Controls** Avoid release to the environment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Aerosol
Colour	Copper.
Odour	None.
Odour Threshold	Not applicable.
pH	Not available.
Melting Point/Freezing Point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Aerosol 1; Extremely flammable aerosol.
Upper/lower flammability or explosive limits	0.8 – 9.0Vol-% @ 25°C
Vapour pressure	2.41bar
Vapour density	Not available.



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Relative density	Not available.
Solubility(ies)	Insoluble in water.
Partition coefficient: n-octanol/water	Not determined.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not determined.
Viscosity	Not available.
Explosive properties	Pressurised container: May burst if heated.
Oxidising properties	Not oxidising.
9.2 Other information	None.

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	Stable under normal conditions.
10.4 Conditions to avoid	Heat and direct sunlight.
10.5 Incompatible materials	Strong oxidising agents, Strongly alkaline, Strongly acidic.
10.6 Hazardous Decomposition Product(s)	Carbon monoxide, Carbon dioxide, Oxides of nitrogen, Smoke.

11. SECTION 11: TOXICOLOGICAL INFORMATION

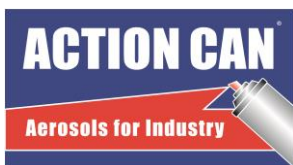
11.1 Information on toxicological effects	
11.1.1 Mixtures	
Acute toxicity	
Inhalation	STOT SE 3; May cause drowsiness or dizziness.
Irritation	Skin Irrit. 2; Causes skin irritation.
Corrosivity	Not classified.
Sensitisation	It is not a skin sensitiser.
Repeated dose toxicity	None anticipated.
Carcinogenicity	No evidence of carcinogenicity.
Mutagenicity	There is no evidence of mutagenic potential.
Toxicity for reproduction	None anticipated.
11.2 Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Aquatic Chronic 2; Toxic to aquatic life with long lasting effects.
12.2 Persistence and degradability	The product is readily biodegradable.
12.3 Bioaccumulative potential	No information available.
12.4 Mobility in soil	Insoluble in water. The product is predicted to have low mobility in soil.
12.5 Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6 Other adverse effects	None.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Non-emptied aerosol: Dispose of wastes in an approved waste disposal facility.
13.2 Additional Information	Disposal should be in accordance with local, state or national legislation.



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14. SECTION 14: TRANSPORT INFORMATION

14.1 UN number	UN 1950 (EEC tariff No. 340399-10)
14.2 UN proper shipping name	AEROSOLS.
ADR/RID/ADN/IMDG	AEROSOLS, FLAMMABLE.
ICAO/IATA	
14.3 Transport hazard class(es)	2.1
14.4 Packing Group	None.
14.5 Environmental hazards	Classified as a Marine Pollutant.
14.6 Special precautions for user	None.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
14.8 Additional Information	
14.8.1 ADR Hazard label(s)	2.1
14.8.2 ADR/RID Item No	5F
14.8.3 ADR/RID Marginal	2201
14.8.4 Limited Quantity (LQ)	Limited Quantity provisions apply.

15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1 EU regulations	
Authorisations and/or restrictions on use	
Candidate List of Substances of Very High Concern for Authorisation	All chemicals are not listed.
REACH: ANNEX XIV LIST OF SUBSTANCES SUBJECT TO AUTHORISATION	All chemicals are not listed.
REACH: ANNEX XVII RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES	All chemicals are not listed.
Community Rolling Action Plan (CoRAP); Draft 26/03/2014	All chemicals are not listed.
15.1.2 National regulations	None known.
15.2 Chemical Safety Assessment	Not available.

16. SECTION 16: OTHER INFORMATION

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

List contains all hazards, precautions and hazard pictograms may/may not be applicable to this product.

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
Aerosol 1	Aerosol Category 1
Asp. Tox. 1	Aspiration hazard Category 1
Flam. Gas 1	Flammable gas Category 1
Flam. Liq. 1	Flammable Liquid Category 1
Skin Irrit. 2	Skin corrosion/irritation Category 2



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STOT SE 3 Specific target organ toxicity — single exposure Category 3
 Aquatic Chronic 2 Hazardous to the aquatic environment Category 2
 Press. Gas Gases under pressure

Hazard statement(s) and Precautionary statement(s)

H220 Extremely flammable gas.
 H224 Extremely flammable liquid and vapour.
 H280 Contains gas under pressure; may explode if heated.
 H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H336 May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.
 P261 Avoid breathing vapours.
 P264 Wash hands thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves.
 P312 Call a POISON CENTER/doctor if you feel unwell.
 P391 Collect spillage.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Hazard pictogram(s) and Hazard Symbol

GHS02



GHS04



GHS07



GHS08



GHS09



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.