

C.H.I.P. HEALTH AND SAFETY DATA SHEET
CS-90 FORMULATION - COMPOUND ONLY

1. IDENTIFICATION OF SUBSTANCE/COMPANY:



PRODUCT NAME: CS-90 COPPER ANTI-SEIZE GREASE WITH GRAPHITE COMPOUND DSS-00208-K

INTENDED USE: CS-90 is used to primarily stop metal surfaces which are under pressure and heat from sticking together . CS-90 effectively forms a physical barrier that prevents corrosion and binding, thus giving easy disassembly even after long periods of time. CS-90 contains Graphite which provides a dry lubricant quality to the product film. Used on exhaust manifolds, boiler parts, brake components. The products is also an effective grease lubricant, Lead and Silicone free.

MANUFACTURER:

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DISTRIBUTOR:

2. INFORMATION ON INGREDIENTS/COMPOSITION CS-90 ALL VARIANTS :

INGREDIENTS:	HEALTH (Class)	RISK (R.No.)
Mineral Oils	None	None
Copper	None	None
Graphite	None	None
Thickeners/Soap	None	None
Corrosion Resistant Additives	None	None

3. HAZARDS IDENTIFICATION:

NO COMPONENT IS PRESENT AT SUFFICIENT LEVELS TO REQUIRE A HAZARDOUS CLASSIFICATION FOR HEALTH IN ACCORDANCE WITH E.C. REGULATIONS. NOT CLASSED AS HAZARDOUS FOR TRANSPORT OR SUPPLY.

4. FIRST AID MEASURES:

EYE CONTACT: Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Seek medical advice.

SKIN CONTACT: Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. DO NOT use solvents or thinners. If in doubt, seek medical advice.

INHALATION: Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or has stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.

INGESTION: If accidentally swallowed, obtain immediate medical attention. Keep at rest. DO NOT INDUCE VOMITING.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA:	Alcohol resistant foam/Co ² /powder/water spray/mist. DO NOT USE WATER JET
SPECIAL FIRE FIGHTING PROCEDURE	Fire exposed containers should be sprayed with water to lessen risk of explosion.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Fire will produce dense black smoke containing combustion products which may be a health hazard. Appropriate self-contained breathing apparatus may be required. RUN OFF FROM FIRE MUST NOT ENTER DRAINS.

6. ACCIDENTAL RELEASE MEASURES:

Spill Clean-up Methods:	Exclude sources of ignition. Refer to protective measures listed in Section 7 & 8. Contain and collect spillages with non-combustible absorbent materials. E.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with waste regulations (see section 13). DO NOT ALLOW TO ENTER DRAINS OR WATER COURSES. Clean preferably with a detergent, avoid the use of solvents. If the product enters drains or sewers, the local water company should be contacted immediately, in the case of contamination of streams, rivers or lakes, the National Rivers Authority.
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7. HANDLING AND STORAGE:

HANDLING:	DO NOT USE ON AN ENGINE WHILST IT IS RUNNING. Avoid skin and eye contact. Smoking, eating and drinking should be prohibited in areas of use and storage. READ DIRECTIONS FOR USE PRINTED ON EACH UNIT OF ISSUE .
STORAGE PRECAUTIONS:	Store below 50°C in a dry well ventilated place away from sources of heat, ignition and direct sunlight. NO SMOKING Observe the label precautions Store separately from strong oxidising agents and strongly alkaline and strongly acidic materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

ENGINEERING MEASURES

No particular measures are needed to be taken if the product applied by brushing or dipping.

RESPIRATORY PROTECTION

Under normal workshop conditions no respiratory equipment is required. Air-fed respiratory equipment should be worn when the product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled to below the occupational exposure limit and engineering controls and measures cannot reasonably be improved.

HAND PROTECTION

Hand protection is not specified for product use. However barrier creams may help to protect exposed areas of the skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

EYE PROTECTION

Eye protection is not specified for product use. However bulk application by spray gun or powered system should be carried out by operators wearing appropriate eye protection.

SKIN PROTECTION

Cotton or cotton/synthetic overalls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE:	Semi-Solid Grease-like Consistency
APPEARANCE:	Copper Coloured
ODOUR:	Hydrocarbon
pH:	Not applicable
BOILING POINT/BOILING RANGE:	N/A
MELTING POINT/MELTING RANGE:	N/A
FLASH POINT:	N/A
RELATIVE DENSITY:	At 15°C ASTM D 1298 kg/M3 1100
SOLUBILITY (WATER)	Insoluble
SOLUBILITY (SOLVENT)	Soluble in Aliphatic Hydrocarbons
WORKED PENETRATION	25°C/ 60 ASTM D 217 0.1MM 300

10. STABILITY AND REACTIVITY:

STABILITY:	Stable.
CONDITIONS TO AVOID:	Naked flames, red hot surfaces, other high temperature sources that may induce thermal decomposition.
INCOMPATIBILITY (Materials to avoid)	Oxidising agents, strong acids, strong alkalis
HAZARDOUS DECOMPOSITION PRODUCTS:	In a fire, hazardous decomposition products such as smoke, carbon monoxide may be produced.

11. TOXICOLOGICAL INFORMATION:

There is no data available on the specific product itself.

Splashes in the eyes may cause irritation and reversible local damage.

Ingestion may cause irritation of mouth, throat and digestive tract causing vomiting and abdominal pain.

Significant absorption can cause sleepiness and pulmonary oedema.

Mineral oil when in frequent or prolonged contact with the skin can cause defatting leading to skin disorders such as 'oil acne' and warts or ulcers which may undergo malignant changes.

Inhalation of high concentrations of oil mist may produce local irritation of the respiratory tract or systemic effects from absorption into the blood stream.

Ingestion May produce irritation of the mouth, the intestinal tract or systemic effects from absorption into the blood stream.

12. ECOLOGICAL INFORMATION:

There is no data available on the product itself.

The product should not be allowed to enter drains or water courses or be deposited where it can affect ground surface waters.

The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of this product.

13. DISPOSAL CONSIDERATIONS:

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.

Wastes including emptied containers are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act.

Using the information provided in this data sheet, advice should be obtained from Waste Regulation Authority whether the special waste regulations apply.

14. TRANSPORT INFORMATION:

NOT CLASSED AS HAZARDOUS FOR ROAD TRANSPORT

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:

RISK PHRASES: None

SAFETY PHRASES: 2: Keep out of reach of children.
46: If swallowed seek medical advice immediately and show this container or label.

UK REGULATORY REFERENCES: Chemicals (Hazard Information & Packing) Regulations 1993.

16. OTHER INFORMATION:

The information contained in this data sheet is provided in accordance with the requirements of the Chemical (hazard Information and Packaging) Regulations. It does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health and Safety at Work etc. Act and Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

The product should not be used for purposes other than those shown in Section 1. without first referring to the supplier and obtaining written handling instructions. As the specific conditions of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of the relevant legislation are complied with.

FURTHER INFORMATION AND ADVICE CAN BE FOUND IN THE FOLLOWING PUBLICATIONS

THE CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS 1988 (SI 1988 1657)
STORAGE OF PACKAGED DANGEROUS SUBSTANCES HS(G)71.
THE ENVIRONMENT PROTECTION (DUTY OF CARE) REGULATIONS 1992 (SI 1992 2839).
THE HIGHLY FLAMMABLE LIQUIDS AND LIQUIFIED PETROLEUM GASES REGULATIONS 1972 (SI 1972 917).

THIS PRODUCT SHOULD BE STORED, HANDLED AND USED IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE PRACTICES AND IN CONFORMITY WITH LEGAL REGULATIONS. THE INFORMATION CONTAINED HEREIN IS BASED ON THE CURRENT STATE OF OUR KNOWLEDGE AND IS INTENDED TO DESCRIBE PRODUCTS FROM THE POINT OF VIEW OF SAFETY REQUIREMENTS AND THUS SHOULD NOT BE CONSTRUED AS GUARANTEEING SPECIFIC PROPERTIES.

FOR FURTHER INFORMATION CONTACT THE OFFICE TEL: 01942 713667

Action Can Limited
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