

PRODUCT INFORMATION SHEET

CARLUBE COPPER GREASE SPRAY

DESCRIPTION

Carlube Copper Grease Spray is a high performance lead-free anti-seize compound which protects metal components from corrosion, water, heat and acid. The product is based on non-melting grease containing a complex blend of heat resistant solids and low shear metals.

ADVANTAGES

- Helps initial assembly making tightening easier and more positive
- Prevents galling and seizure even at extreme temperatures and used in atmospheric conditions that would destroy other lubricants
- Excellent corrosion resistance
- Eases dismantling where metal pickup can occur

APPLICATION

Battery terminals, Disc pad brakes, Exhaust clamps, Spark plug threads, Wheel studs etc.

WARNING: Copper grease helps prevent disc brake squeal if applied to back of disc pads, do not apply any compound to friction material or disc electrical system.

PROPERTIES

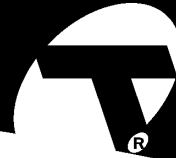
| | |
|----------------------------|------------------|
| Color | Copper |
| Texture | Smooth |
| Drop Point | Non-melting |
| Temperature Range (°C) | -30 – 1100 |
| Density @ 15°C | 1.200 |
| Oil Viscosity @ 40°C (cSt) | 98.8 |
| Types of anti-seize solids | Copper, Graphite |
| Storage Life | 5 years |

DIRECTIONS FOR USE

- Shake can well and hold upright when in use.
- Spray directly onto the surface or area to be treated. Re-apply if necessary.

AVAILABILITY

500ml – CGA500

**DISCLAIMER**

This Product Information Sheet does not constitute to any extent a fitness for purpose warranty or a quality specification. It is intended to be indicative only of the general characteristics of the product(s) and may not be relied upon (in whole or in part) in substitution of nor as a supplement to any of the information and/or instructions and/or warnings set out on the product(s) and/or on any packaging and/or in the relevant Safety Data Sheet (which is available on request).

Neither of the publisher of this Product Information Sheet or the product(s) manufacturer accepts liability for the failure of any person to observe and follow the information and/or instructions and/or warnings on the product(s) and/or on any packaging and/or in the relevant Safety Data Sheet.

Any person selecting and using or causing the product(s) to be used for a specific purpose or any third party recommending the product(s) for a specific purpose without in either case first making all appropriate inquiries as to the suitability of the product(s) for the intended purpose does so at his/her/their own risk and no liability is accepted by the publisher or the product(s) manufacturer for any consequent loss, damage or injury, other than such liability as may not (by operation of law) be excluded.

This Product Information Sheet does not apply to the use of the product(s) in any combination or with other products or materials.

Users of a product or products marked "For Professional Use Only are deemed to declare and acknowledge for themselves professional levels of skill, knowledge, competence and experience in the selection and use of such product(s).

Product Information Sheets are updated from time to time and inquiries should be made on a regular basis to ensure that this is the latest version available.

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SAFETY DATA SHEET

C/LUBE COPPER GREASE AERO

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME C/LUBE COPPER GREASE AERO
 PRODUCT NO. CGA400
 INTERNAL ID C
 APPLICATION Grease
 SUPPLIER TETROSYL LIMITED
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2 HAZARDS IDENTIFICATION

Extremely flammable Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. CLASSIFICATION (1999/45) F+;R12. N;R51/53. R66, R67.

ENVIRONMENT

The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

HUMAN HEALTH

See section 11 for additional information on health hazards.

3 COMPOSITION/INFORMATION ON INGREDIENTS

| Name | EC No. | CAS-No. | Content % | Classification (67/548/EEC) |
|----------------------|-----------|------------|-----------|-----------------------------------|
| BUTANE/PROPANE BLEND | 270-704-2 | 68476-85-7 | 10-30% | F+;R12. |
| PENTANE | 203-692-4 | 109-66-0 | 30-60% | F+;R12 Xn;R65 R66 R67 N;R51/53 |

The Full Text for all R-Phrases is Displayed in Section 16

4 FIRST-AID MEASURES

GENERAL INFORMATION

Remove affected person from source of contamination. Get medical attention immediately!

INHALATION

Move injured person into fresh air immediately. Call an ambulance. Be aware that symptoms of lung oedema (shortness of breath) may develop up to 24 hours after exposure. Bring these instructions. Place unconscious person on the side in the recovery position and ensure breathing can take place.

INGESTION

Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions.

C/LUBE COPPER GREASE AERO**SKIN CONTACT**

Remove contaminated clothing immediately and wash skin with soap and water. Consult a physician for specific advice. Burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Immediately transport to hospital or eye specialist.

5 FIRE-FIGHTING MEASURES**EXTINGUISHING MEDIA**

Use fire-extinguishing media appropriate for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES

Beware, risk of formation of toxic and corrosive gases.

SPECIFIC HAZARDS

In case of fire, toxic and corrosive gases may be formed.

PROTECTIVE MEASURES IN FIRE

Leave danger zone immediately.

6 ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet. In case of spills, beware of slippery floors and surfaces.

ENVIRONMENTAL PRECAUTIONS

The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.

SPILL CLEAN UP METHODS

For waste disposal, see section 13. When dealing with a spillage, please consult the section relating to suitable protective measures. Absorb spillage with non-combustible, absorbent material. Ventilate well. Prevent discharge of larger quantity to drain.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Read and follow manufacturer's recommendations. Always remove grease with soap and water or skin cleaning agent, never use organic solvents. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product.

STORAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Store in tightly closed original container in a dry, cool and well-ventilated place.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

| Name | STD | TWA - 8 Hrs | | STEL - 15 Min | | Notes |
|----------------------|-----|-------------|------------|---------------|------------|-------|
| BUTANE/PROPANE BLEND | WEL | 1000 ppm | 1750 mg/m3 | 1250 ppm | 2180 mg/m3 | Carc |
| PENTANE | WEL | 600 ppm | 1800 mg/m3 | | | |

WEL = Workplace Exposure Limit.

Carc = Capable of causing cancer and/or heritable genetic damage.

PROTECTIVE EQUIPMENT

C/LUBE COPPER GREASE AERO**PROCESS CONDITIONS**

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.

ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

RESPIRATORY EQUIPMENT

Wear suitable respiratory protection. Check that mask fits tight and change filter regularly.

HAND PROTECTION

The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Protection against this substance requires special consideration.

EYE PROTECTION

Wear tight-fitting goggles or face shield.

OTHER PROTECTION

Provide eyewash station. **AVOID ALL SKIN AND RESPIRATORY CONTACT!**

HYGIENE MEASURES

Wash contaminated clothing before reuse. Wash at the end of each work shift and before eating, smoking and using the toilet.

SKIN PROTECTION

Protection suit must be worn.

9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------------|----------------|
| COLOUR | Amber |
| RELATIVE DENSITY | 0.77 - 0.79 20 |

10 STABILITY AND REACTIVITY**STABILITY**

No particular stability concerns.

11 TOXICOLOGICAL INFORMATION**HEALTH WARNINGS**

This chemical can be hazardous when inhaled and/or touched. This chemical may cause skin/eye irritation and burns (corrosive). May cause severe internal injury. Vapour from this chemical can be hazardous when inhaled.

ROUTE OF ENTRY

Inhalation. Ingestion. Skin and/or eye contact. Skin absorption.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

Dangerous for the environment if discharged into watercourses. The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

13 DISPOSAL CONSIDERATIONS**GENERAL INFORMATION**

When handling waste, consideration should be made to the safety precautions applying to handling of the product. Only experts should be permitted to carry out disposal of this material.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

C/LUBE COPPER GREASE AERO**14 TRANSPORT INFORMATION**

GENERAL Full protective clothing should be worn when handling this product.



| | |
|----------------------|----------|
| PROPER SHIPPING NAME | AEROSOLS |
| UN NO. ROAD | 1950 |
| ADR CLASS NO. | 2.1 |
| IMDG CLASS | 2.1 |
| IMDG PACK GR. | N/A |
| AIR CLASS | 2.1 |
| AIR PACK GR. | N/A |

15 REGULATORY INFORMATION

LABELLING



Extremely Flammable



Dangerous for the environment

RISK PHRASES

| | |
|--------|---|
| R12 | Extremely flammable. |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R66 | Repeated exposure may cause skin dryness or cracking. |
| R67 | Vapours may cause drowsiness and dizziness. |

SAFETY PHRASES

| | |
|--------|---|
| A1 | Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. |
| A2 | Do not spray on a naked flame or any incandescent material. |
| S2 | Keep out of the reach of children. |
| S9 | Keep container in a well-ventilated place. |
| S16 | Keep away from sources of ignition - No smoking. |
| S23 | Do not breathe vapour/spray. |
| S29/56 | Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. |
| S37 | Wear suitable gloves. |
| S51 | Use only in well-ventilated areas. |
| S61 | Avoid release to the environment. Refer to special instructions/safety data sheets. |

Detergent Labelling:

| | |
|--------|------------------------|
| >= 30% | Aliphatic hydrocarbons |
|--------|------------------------|

16 OTHER INFORMATION

C/LUBE COPPER GREASE AERO

REVISION COMMENTS

NOTE: Lines within the margin indicate significant changes from the previous revision.

ISSUED BY

Health & Safety Department

REVISION DATE 27/04/2006

REV. NO./REPL. SDS 8

GENERATED

RISK PHRASES IN FULL

R12 Extremely flammable.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67 Vapours may cause drowsiness and dizziness.

DISCLAIMER

The information provided in this document has been compiled on the basis of our current knowledge and is believed to be in accordance with the requirements of the Dangerous Substances Directive, Dangerous Preparations Directive and Safety Data Sheets Directive. The information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any particular conditions or process. The conditions and extent of storage and use of material are outside of our control and within the control of the possessor or user. Consequently it is the responsibility of the possessor or user to satisfy themselves as to the completeness of such information and the suitability of the material for their own particular circumstances, conditions or use.