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| <b>MOLYTEC AUSTRALIA, Unit 1, 9 Steel St, Capalaba, QLD Australia, 4157</b> |  |
| Tel. for Information: 1300 452355<br>Last Updated: January 2021             | Email: admin@molytec.com.au<br>Page 1 of 4 |
| <b>Material Safety Data Sheet</b>   | <b>MOLYTEC Copatec Aerosol</b>             |

## 1. Chemical Product / Company Identification

|                       |  |                             |                       |
|-----------------------|--|-----------------------------|-----------------------|
| Product Name:         | <b>Molytec Copatec Anti-Seize Aerosol</b>                      |                             |                       |
| Product Type:         | Copper Anti-Seize  |                             |                       |
| Product Size:         | 300g Aerosol Part No. M867                                     |                             |                       |
| Proper Shipping Name: | Aerosol  | UN No.: 1950                | DG Class: 2.1         |
| Sub Risk:             | Nil  | Hazchem Code: 3WE           | Poisons Schedule: n/a |
| Product Use:          | Anti-Seize Lubricant   |                             |                       |
| Company Details:      | Molytec Australia P/L 1/9 Steel St Capalaba QLD Australia 4157 |                             |                       |
|                       | Phone: 1300 452355   | Email: admin@molytec.com.au |                       |

## 2. Hazards Identification

### 2.1. Classification of the substance or mixture

Classification under CLP: Skin Irrit. 2: H315; STOT SE 3: H336; Flam. Aerosol 1: H222; Aquatic Chronic 3: H412; -: H229; Aquatic Chronic 2: H411

**Most important adverse effects:** Extremely flammable aerosol. Pressurised container: May burst if heated. Causes skin irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.

### 2.2 Label elements:

**Hazard statements:** 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.

**Hazard pictograms:** GHS02: Flame

GHS07: Exclamation mark



**Signal words:** Danger

**Precautionary statements:** 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.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+352: IF ON SKIN: Wash with plenty of water/.

P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

## 3. Composition and Information on Chemical Ingredients

| Chemical Entity                            | CAS No.                    | Proportion % |
|--|----------------------------|--------------|
| Highly refined base oil                    | 64742-62-7                 | 30-60        |
| Propane                                    | 74-98-6                    | 10-30        |
| Butane                                     | 68513-65-5                 | 10-30        |
| Distillates (petroleum) hydrotreated light | 64742-47-8                 | 10-30        |
| Copper Powder                              | 7740-50-8                  | 10-30        |
| Acetone                                    | 67-64-1                    | <10          |
| Bentone clay thickener                     | 1340-58-7                  | <10          |
| Proprietary antioxidant                    | Listed on US TSCSA listing | <10          |
| Pale gold lining                           | Listed on US TSCSA listing | <2           |

Note: highly refined base oil (cas 64742-62-7) contains less than 3% DMSO extract as measured by IP346.

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#### 4. First Aid Measures

|                   |  |
|-------------------|--|
| <b>Swallowed:</b> | Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Have victim rinse mouth thoroughly with water. DO NOT INDUCE VOMITING. If vomiting occurs naturally, rinse mouth and repeat administration of water. Obtain medical attention immediately.  |
| <b>Eye:</b>       | Immediately flush the contaminated eye/s with lukewarm, gently flowing water for 20 minutes, by the clock, holding the eyelid/s open. Take care not to rinse contaminated water into the non-affected eye. Obtain medical attention immediately.   |
| <b>Skin:</b>      | Remove contaminated clothing, shoes and leather goods. As quickly as possible, flush contaminated area with lukewarm, gently running water for at least 20 minutes, by the clock. If irritation persists, repeat flushing. Obtain medical attention immediately. Completely decontaminate clothing, shoes and leather goods before re-use, or discard. |
| <b>Inhaled:</b>   | If symptoms are experienced, remove source of contamination or move victim to fresh air. Keep patient warm and at rest. If breathing is irregular or has stopped administer artificial respiration. Seek medical attention if any effects persist.   |

#### 5. Fire Fighting Measures

|                           |   |
|---------------------------|---|
| <b>Emergency Response</b> | (See Section 9 Physical and Chemical Properties for Autoignition temp and exposure limits.)   |
| <b>Small Fire</b>         | Use water spray, dry chemical or CO2  |
| <b>Large Fire</b>         | -Use water spray and fog<br>-Fight fire from protected position or use unmanned hose holders or monitor nozzles<br>-If safe to do so, move undamaged containers from fire area. Do not approach hot containers<br>-Cool containers with water before handling |

-If impossible to extinguish fire, protect surroundings, withdraw from area and allow fire to burn.

#### 6. Accidental Release Measures

Eliminate all ignition sources (no smoking, flares, sparks or flames) within at least 15m. Isolate area until gas has dispersed. All equipment used when handling the product must be earthed. Restrict access to area until completion of clean up. Ensure clean up is conducted by trained personnel only. Wear protective clothing including facemask, face shield and gauntlets. Ventilate the area. Prevent material from entering sewers or confined spaces. Stop or reduce leak if safe to do so. Contain spill with earth, sand, or inert, absorbent material. Small spills of solution: soak up with absorbent material. Put material in suitable, covered, labelled containers. Flush area with water preventing runoff entering drains. Large spills: contact fire and emergency services for advice.

**Disposal:** Review federal, state and local government requirements prior to disposal.

#### 7. Safe Handling Information

|                 |  |
|-----------------|--|
| <b>Storage:</b> | -Store in original containers in approved flameproof area<br>-DO NOT store in pits, depressions, basements or areas where vapours may be trapped.<br>-No smoking, naked lights, heat or ignition sources.<br>-Keep containers securely sealed. Contents under pressure.<br>-Store away from incompatible materials.<br>-Store in a cool, dry, well ventilated area in an upright position out of direct sunlight.<br>-Avoid storage at temperatures higher than 40°C<br>-Protect containers against physical damage and check regularly for leaks. |
|-----------------|--|

#### 8. Exposure Control and Personal Protection

|                         |  |                                    |                  |
|-------------------------|--|------------------------------------|------------------|
| <b>Exposure Limits:</b> | <b>Name</b>                              | <b>(Time Weighted Average) TWA</b> | <b>Mg/m3 ppm</b> |
|                         | Propane                                  |                                    | ASPHYXIANT       |
|                         | Butane                                   |                                    | 800ppm           |
|                         | Acetone                                  |                                    | 750ppm           |
|                         | Distilled (petroleum) hydrotreated light | 2110                               | 300ppm           |

**Engineering Controls** Use in well ventilated areas. Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use with local flameproof exhaust ventilation or while wearing organic vapour respirator. Vapour is heavier than air – prevent concentrations in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. Explosive gas atmospheres may form, for further information refer to AS 2430.

**Personal Protection** Where ventilation is not adequate, respiratory protection may be required. An approved organic vapour respirator should be used. Respiratory protection should comply with AS/NZS 1715 and AS/NZS 1716

**Eye Protection** Safety glasses or chemical goggles. Failure to do so may result in eye damage if an accident occurs. Consult AS 1336 & AS/NZ 1337 for information about eye protection.

**Glove Type** Available information suggests gloves made of nitriles, viton, neoprene or other similar solvent resistant material. Keep solvent contact to a minimum. For help in selecting suitable gloves consult AS2161

**Clothing** Overalls or similar protective clothing. Consult AS 2919 for advice. Always wash hands before smoking, eating, drinking, or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Flammability**  
Fire Hazards

- Heat or damage to containers may release flammable gases
- Containers will explode when heated – ruptured containers will rocket
- Released gases may form explosive mixtures with air in confined spaces
- Released gases may travel to source of ignition and flash back
- Organic chemicals may form flammable dust clouds in air; will burn if involved in fire
- Fire may produce irritating, poisonous and/or corrosive gases.

## 9. Physical and Chemical Properties

**Appearance & Odour:** Flecked gold coloured grease in aerosol can  
**Boiling Point:** Major constituent > 250°C  
Acetone (carrier solvent) 56°C  
**Specific Gravity:** approximately 0.90 (for liquid concentrate)  
**Solubility in Water:** Insoluble (for liquid concentrate)  
**Vapour Pressure:** 517Kpa @ 24°C (hydrocarbon propellant)  
**Flash Point:** -10°C (hydrocarbon propellant)  
**Flamm. Limits:** 1.5% to 9.6% in air (v/v)(hydrocarbon propellant)  
**Autoignition temp:** 494°C to 600°C (hydrocarbon propellant)  
**PH:** Not Available  
**Percent volatiles:** approximately 40%

## 10. Stability and Reactivity

- Vapour is highly flammable
- Severe fire hazard when exposed to heat or flame
- Vapour forms explosive mixture with air
- Vapour may travel considerable distance to source of ignition
- Heating may cause expansion with violent container rupture
- Aerosol cans may explode on exposure to naked flames
- Rupturing containers may rocket and scatter burning materials
- Hazards may not be restricted to pressure effects
- Organic chemicals may form flammable dust clouds in air; will burn if involved in fire
- May emit acrid, poisonous or corrosive fumes
- On combustion, may emit toxic fumes of carbon monoxide (CO)
- Other combustion products include carbon dioxide (CO<sub>2</sub>)

**Conditions to avoid:** See "Safe Handling Information" (Section 7).

## 11. Toxicological Information

### Health Effects

**Swallowed:** Ingestion may cause irritation of the gastrointestinal tract.  
**Eye:** Direct contact may cause moderate to severe eye irritation. Contact with liquefied gas will cause severe damage.  
**Skin:** Prolonged contact with skin may lead to irritation and in some cases irritant contact dermatitis. Contact with liquefied gas can result in cold contact burns.  
**Inhaled:** Inhalation of solvent vapour may result in nervous system effects such as dizziness, nausea, headache and sleepiness. Excessive exposure to vapour may cause unconsciousness or even death, due to asphyxiation.  
**Chronic:** Prolonged or repeated skin contact may lead to irritation contact dermatitis.

## 12. Ecological Information

Not Available

## 13. Disposal Considerations

**Disposal Method:** Treat as solid waste.  
**State/Territory Authority:** Dispose of according to Federal, State and local government regulations.

## 14. Transport Information

**Transportation:** UN 1950  
Class 2  
**Incompatible products:** Flammable gases shall not be loaded in the same vehicle or packed in the same freight container with:  
-Class 1 explosives  
-Class 3 flammable liquids (where both flammable liquids and gases are in bulk)  
-Class 4.1 flammable solids  
-Class 4.2 spontaneously combustible substances  
-Class 4.3 dangerous when wet substances  
-Class 5.1 oxidising agents  
-Class 5.2 organic peroxides  
-Class 7 radioactive substances

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**15. Regulatory Information**

None Available

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**16. Other Information**

Users should verify the currency of this data sheet if more than 5 years old. The information contained in this material safety data sheet is believed to be accurate on the date of issue and in accordance with the information available to us. Persons dealing with products referred to in this MSDS do so at their own risk. We accept no liability whatsoever for damage or injury however caused arising from use of this information or of suggestions contained herein.

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**POLICE AND FIRE BRIGADE:****DIAL 000**

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For further safety information contact MOLYTEC AUSTRALIA on:

Tel: 1300 452355 Email: admin@molytec.com.au

P.O. Box 5357, Alexandra Hills, QLD, Australia, 4161

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**Disclaimer**

The information contained within this SDS applies only to the MOLYTEC product to which the sheet relates. The information provided is based on our best knowledge at the time of issue.

The information contained within this SDS is believed to be accurate and is given in good faith. However no warranty is made, either express or implied, regarding its accuracy or any liability arising out of the use of the information herein or the products supplied.

When used in other preparations, formulations, or in mixtures, it is necessary to ascertain whether the classification of the hazards has changed. The attention of the user is drawn to the possibility of creating other hazards when the product is used for purposes other than that for which it was recommended. In such cases a reassessment may be necessary and should be made by the user.

This safety data sheet should only be used and reproduced in order that the necessary measures are taken relating to the protection of health and safety at work.

It is the responsibility of the handlers to pass on the totality of the information contained within this document to any subsequent person(s) who will come in to contact with, handle or use this product in any way.

They should check the adequacy of the information provided within this SDS before passing it on to their customers / staff.

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