



## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

#### 1.1 Product identifier

**Product name** COPPER ANTI-SEIZE PASTE  
**Synonyms** 3145, 3183 - PRODUCT CODE(S)

#### 1.2 Uses and uses advised against

**Uses** ANTISEIZE COMPOUND • LUBRICANT

#### 1.3 Details of the supplier of the product

**Supplier name** CRC INDUSTRIES (AUST) PTY LIMITED  
**Address** 9 Gladstone Road, Castle Hill, NSW, 2154, AUSTRALIA  
**Telephone** (02) 9849 6700  
**Fax** (02) 9680 4914  
**Email** [info.au@crcind.com](mailto:info.au@crcind.com)  
**Website** <http://www.crcindustries.com.au>

#### 1.4 Emergency telephone numbers

**Emergency** 13 11 26 (PIC)

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

#### 2.2 GHS Label elements

No signal word, pictograms, hazard or precautionary statements have been allocated.

#### 2.3 Other hazards

No information provided.

### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

#### 3.1 Substances / Mixtures

| Ingredient                                                                | CAS Number | EC Number | Content  |
|---------------------------------------------------------------------------|------------|-----------|----------|
| DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC (<3% DMSO EXTRACT) | 64742-52-5 | 265-155-0 | >60%     |
| COPPER                                                                    | 7440-50-8  | 231-159-6 | 5 to 10% |

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

**Eye** If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

**Inhalation** If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

**Skin** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.

**Ingestion** For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.  
Normal washroom facilities should be available.

## PRODUCT NAME    **COPPER ANTI-SEIZE PASTE**

### **First aid facilities**

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

Adverse effects not expected from this product under normal conditions of use.

#### **4.3 Immediate medical attention and special treatment needed**

Treat symptomatically.

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## **5. FIRE FIGHTING MEASURES**

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### **5.1 Extinguishing media**

Dry agent, carbon dioxide or foam. Prevent contamination of drains and waterways.

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

Combustible. May evolve carbon oxides and hydrocarbons when heated to decomposition.

### **5.3 Advice for firefighters**

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

### **5.4 Hazchem code**

None allocated.

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## **6. ACCIDENTAL RELEASE MEASURES**

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### **6.1 Personal precautions, protective equipment and emergency procedures**

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Ventilate area where possible.

### **6.2 Environmental precautions**

Prevent product from entering drains and waterways.

### **6.3 Methods of cleaning up**

Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

### **6.4 Reference to other sections**

See Sections 8 and 13 for exposure controls and disposal.

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## **7. HANDLING AND STORAGE**

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### **7.1 Precautions for safe handling**

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

### **7.2 Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should have appropriate fire protection systems.

### **7.3 Specific end uses**

No information provided.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

#### Exposure standards

| Ingredient                    | Reference      | TWA |                   | STEL |                   |
|-------------------------------|----------------|-----|-------------------|------|-------------------|
|                               |                | ppm | mg/m <sup>3</sup> | ppm  | mg/m <sup>3</sup> |
| Copper (fume)                 | SWA [AUS]      | --  | 0.2               | --   | --                |
| Copper (fume, dusts & mists)  | SWA [Proposed] | --  | 0.01              | --   | --                |
| Copper, dusts & mists (as Cu) | SWA [AUS]      | --  | 1                 | --   | --                |
| Mineral Oil Mist              | SWA [AUS]      | --  | 5                 | --   | --                |

**Biological limits** No Biological Limit Value allocated.

### 8.2 Exposure controls

**Engineering controls** Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

#### PPE

- Eye / Face** Wear splash-proof goggles.
- Hands** Wear PVC or rubber gloves. With prolonged use, wear Viton® or nitrile gloves.
- Body** When using large quantities or where heavy contamination is likely, wear coveralls. With prolonged use, wear coveralls.
- Respiratory** Where an inhalation risk exists, wear a Type A (organic vapour) / Organic vapour respirator.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

|                                  |                      |
|----------------------------------|----------------------|
| <b>Appearance</b>                | BROWN PASTE          |
| <b>Odour</b>                     | MILD ODOUR           |
| <b>Flammability</b>              | CLASS C2 COMBUSTIBLE |
| <b>Flash point</b>               | > 200°C              |
| <b>Boiling point</b>             | NOT AVAILABLE        |
| <b>Melting point</b>             | NOT AVAILABLE        |
| <b>Evaporation rate</b>          | NOT AVAILABLE        |
| <b>pH</b>                        | NOT AVAILABLE        |
| <b>Vapour density</b>            | NOT AVAILABLE        |
| <b>Relative density</b>          | NOT AVAILABLE        |
| <b>Solubility (water)</b>        | INSOLUBLE            |
| <b>Vapour pressure</b>           | NOT AVAILABLE        |
| <b>Upper explosion limit</b>     | NOT AVAILABLE        |
| <b>Lower explosion limit</b>     | NOT AVAILABLE        |
| <b>Partition coefficient</b>     | NOT AVAILABLE        |
| <b>Autoignition temperature</b>  | NOT AVAILABLE        |
| <b>Decomposition temperature</b> | NOT AVAILABLE        |
| <b>Viscosity</b>                 | NOT AVAILABLE        |
| <b>Explosive properties</b>      | NOT AVAILABLE        |
| <b>Oxidising properties</b>      | NOT AVAILABLE        |
| <b>Odour threshold</b>           | NOT AVAILABLE        |

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Carefully review all information provided in sections 10.2 to 10.6.

## PRODUCT NAME COPPER ANTI-SEIZE PASTE

### 10.2 Chemical stability

Stable under recommended conditions of storage.

### 10.3 Possibility of hazardous reactions

Polymerization is not expected to occur.

### 10.4 Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources.

### 10.5 Incompatible materials

Incompatible with oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid), alkalis (e.g. sodium hydroxide), heat and ignition sources.

### 10.6 Hazardous decomposition products

May evolve carbon oxides and hydrocarbons when heated to decomposition.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Acute toxicity** Ingestion of large quantities may result in nausea, vomiting, abdominal pain and diarrhoea.

**Information available for the ingredients:**

| Ingredient                                                                | Oral LD50          | Dermal LD50           | Inhalation LC50 |
|---------------------------------------------------------------------------|--------------------|-----------------------|-----------------|
| DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC (<3% DMSO EXTRACT) | > 5000 mg/kg (rat) | > 2000 mg/kg (rabbit) | > 5 mg/L (rat)  |
| COPPER                                                                    | --                 | > 2000 mg/kg (rat)    | --              |

|                                 |                                                                                                                                                                                                                                    |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Skin</b>                     | Not classified as a skin irritant. Prolonged or repeated contact may result in mild irritation, rash and dermatitis.                                                                                                               |
| <b>Eye</b>                      | Not classified as an eye irritant. Contact may result in mild irritation, lacrimation and redness.                                                                                                                                 |
| <b>Sensitisation</b>            | Not classified as causing skin or respiratory sensitisation.                                                                                                                                                                       |
| <b>Mutagenicity</b>             | Not classified as a mutagen.                                                                                                                                                                                                       |
| <b>Carcinogenicity</b>          | Not classified as a carcinogen. Highly refined mineral oils are not classifiable as to its carcinogenicity in humans (IARC Group 3).                                                                                               |
| <b>Reproductive</b>             | Not classified as a reproductive toxin.                                                                                                                                                                                            |
| <b>STOT - single exposure</b>   | Due to product form / nature of use, an inhalation hazard is not anticipated with normal use. However, if product is heated or mists generated, exposure may result in respiratory irritation, dizziness, drowsiness and headache. |
| <b>STOT - repeated exposure</b> | Not classified as causing organ damage from repeated exposure.                                                                                                                                                                     |
| <b>Aspiration</b>               | Not classified as causing aspiration.                                                                                                                                                                                              |

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

This product can float on water, restricting oxygen exchange with possible asphyxiation of aquatic life.

### 12.2 Persistence and degradability

Expected to be inherently biodegradable.

### 12.3 Bioaccumulative potential

No information provided.

### 12.4 Mobility in soil

Low solubility and is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids.

### 12.5 Other adverse effects

Avoid contamination of drains and waterways.

## 13. DISPOSAL CONSIDERATIONS

**PRODUCT NAME   COPPER ANTI-SEIZE PASTE****13.1 Waste treatment methods**

|                       |                                                                                                                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Waste disposal</b> | Reuse where possible or return to manufacturer/supplier. May be recycled. Do not release to drains or waterways. Contact the manufacturer/supplier for additional information (if required). |
| <b>Legislation</b>    | Dispose of in accordance with relevant local legislation.                                                                                                                                    |

**14. TRANSPORT INFORMATION****NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA**

|                                    | <b>LAND TRANSPORT (ADG)</b> | <b>SEA TRANSPORT (IMDG / IMO)</b> | <b>AIR TRANSPORT (IATA / ICAO)</b> |
|------------------------------------|-----------------------------|-----------------------------------|------------------------------------|
| <b>14.1 UN Number</b>              | None allocated.             | None allocated.                   | None allocated.                    |
| <b>14.2 Proper Shipping Name</b>   | None allocated.             | None allocated.                   | None allocated.                    |
| <b>14.3 Transport hazard class</b> | None allocated.             | None allocated.                   | None allocated.                    |
| <b>14.4 Packing Group</b>          | None allocated.             | None allocated.                   | None allocated.                    |

**14.5 Environmental hazards**

Not a Marine Pollutant.

**14.6 Special precautions for user**

**Hazchem code**               None allocated.

**15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

|                           |                                                                                                                                                                 |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Poison schedule</b>    | A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP). |
| <b>Classifications</b>    | Safe Work Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals (GHS Revision 7).                    |
| <b>Inventory listings</b> | <b>AUSTRALIA: AIIC (Australian Inventory of Industrial Chemicals)</b><br>All components are listed on AIIC, or are exempt.                                      |

**16. OTHER INFORMATION**

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Additional information</b> | <p>MINERAL OILS - SOLVENT REFINED: Animal experiments and human experience have not shown cancer risks when handling solvent refined mineral oils, unlike non refined mineral oils.</p> <p>CLEANING MINERAL OIL CONTAMINATED CLOTHING: Cleaners are advised that when cleaning oil contaminated clothing it is essential that freshly distilled solvent is used for each batch, including final rinse, as even filtered solvent will leave oil residues.</p> <p>MINERAL OILS - USED: Used mineral oils in engine crankcases and other high temperature/high stress environments may contain potentially harmful residues, some of which have been shown to cause irreversible skin effects, including cancer. Prolonged and repeated inhalation of mists associated with used mineral oils may result in pulmonary fibrosis.</p> <p>MINERAL OILS - INJECTION: Where high pressure applications are used the risk of accidental injection under the skin exists and may result in an extremely painful and serious injury requiring immediate medical attention. Depending on the pressure used, mineral oils may be injected a considerable distance below the skin and may cause permanent tissue damage. SEEK IMMEDIATE MEDICAL ATTENTION. EXERCISE EXTREME CARE WHEN USING HIGH PRESSURE EQUIPMENT.</p> <p>PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:<br/>The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.</p> |
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**HEALTH EFFECTS FROM EXPOSURE:**

It should be noted that the effects from exposure to this product will depend on several factors including: form of product; frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**Abbreviations**

|                   |                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------|
| ACGIH             | American Conference of Governmental Industrial Hygienists                                       |
| CAS #             | Chemical Abstract Service number - used to uniquely identify chemical compounds                 |
| CNS               | Central Nervous System                                                                          |
| EC No.            | EC No - European Community Number                                                               |
| EMS               | Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)                   |
| GHS               | Globally Harmonized System                                                                      |
| GTEPG             | Group Text Emergency Procedure Guide                                                            |
| IARC              | International Agency for Research on Cancer                                                     |
| LC50              | Lethal Concentration, 50% / Median Lethal Concentration                                         |
| LD50              | Lethal Dose, 50% / Median Lethal Dose                                                           |
| mg/m <sup>3</sup> | Milligrams per Cubic Metre                                                                      |
| OEL               | Occupational Exposure Limit                                                                     |
| pH                | relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline). |
| ppm               | Parts Per Million                                                                               |
| STEL              | Short-Term Exposure Limit                                                                       |
| STOT-RE           | Specific target organ toxicity (repeated exposure)                                              |
| STOT-SE           | Specific target organ toxicity (single exposure)                                                |
| SUSMP             | Standard for the Uniform Scheduling of Medicines and Poisons                                    |
| SWA               | Safe Work Australia                                                                             |
| TLV               | Threshold Limit Value                                                                           |
| TWA               | Time Weighted Average                                                                           |

**Report status**

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

**Prepared by**

Risk Management Technologies  
5 Ventnor Ave, West Perth  
Western Australia 6005  
Phone: +61 8 9322 1711  
Fax: +61 8 9322 1794  
Email: [info@rmtglobal.com](mailto:info@rmtglobal.com)  
Web: [www.rmtglobal.com](http://www.rmtglobal.com)

**[ End of SDS ]**



## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

#### 1.1 Product identifier

**Product name** COPPER ANTI-SEIZE AEROSOL  
**Synonyms** 3195 – PRODUCT CODE

#### 1.2 Uses and uses advised against

**Uses** ANTISEIZE COMPOUND • LUBRICANT - AEROSOL

#### 1.3 Details of the supplier of the product

**Supplier name** CRC INDUSTRIES (AUST) PTY LIMITED  
**Address** 9 Gladstone Road, Castle Hill, NSW, 2154, AUSTRALIA  
**Telephone** (02) 9849 6700  
**Fax** (02) 9680 4914  
**Email** [info.au@crcind.com](mailto:info.au@crcind.com)  
**Website** <http://www.crcindustries.com.au>

#### 1.4 Emergency telephone numbers

**Emergency** 13 11 26 (PIC)

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

##### Physical Hazards

Aerosols - Flammable: Category 1  
Aerosols - Pressurised: Category 1

##### Health Hazards

Not classified as a Health Hazard

##### Environmental Hazards

Not classified as an Environmental Hazard

#### 2.2 GHS Label elements

**Signal word** DANGER

##### Pictograms



##### Hazard statements

H222 Extremely flammable aerosol.  
H229 Pressurized container: may burst if heated.

##### Prevention 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.

##### Response statements

P332 + P337 + P313 If skin or eye irritation occurs: Get medical advice/ attention.

**PRODUCT NAME    COPPER ANTI-SEIZE AEROSOL****Storage statements**

P410 + P412                      Protect from sunlight. Do not expose to temperatures exceeding 50°C.

**Disposal statements**

None allocated.

**2.3 Other hazards**

No information provided.

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**3. COMPOSITION/ INFORMATION ON INGREDIENTS**

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**3.1 Substances / Mixtures**

| Ingredient                                                                | CAS Number | EC Number | Content   |
|---------------------------------------------------------------------------|------------|-----------|-----------|
| DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC (<3% DMSO EXTRACT) | 64742-52-5 | 265-155-0 | 30 to 60% |
| PETROLEUM GASES, LIQUEFIED (<0.1% W/W 1,3-BUTADIENE)                      | 68476-85-7 | 270-704-2 | 30 to 60% |
| SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC                              | 64742-89-8 | 265-192-2 | 10 to 30% |
| COPPER                                                                    | 7440-50-8  | 231-159-6 | 5 to 10%  |

**Ingredient Notes**

The manufacturer confirmed that PETROLEUM GASES LIQUIFIED has < 0.1 % 1,3-butadiene, and SOLVENT NAPHTHA, LIGHT ALIPHATIC does not have > 0.1 % benzene.

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**4. FIRST AID MEASURES**

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**4.1 Description of first aid measures**

|                             |                                                                                                                                                                                                                |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye</b>                  | If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.                       |
| <b>Inhalation</b>           | If inhaled, remove from contaminated area. To protect rescuer, use a Type A (Organic vapour) respirator or an Air-line respirator (in poorly ventilated areas). Apply artificial respiration if not breathing. |
| <b>Skin</b>                 | If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.       |
| <b>Ingestion</b>            | For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting. Ingestion is considered unlikely due to product form.               |
| <b>First aid facilities</b> | Normal washroom facilities should be available.                                                                                                                                                                |

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

See Section 11 for more detailed information on health effects and symptoms.

**4.3 Immediate medical attention and special treatment needed**

Treat symptomatically.

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**5. FIRE FIGHTING MEASURES**

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**5.1 Extinguishing media**

Dry agent, carbon dioxide or foam. Prevent contamination of drains and waterways.

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

Extremely flammable aerosol. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition. Aerosol may explode at temperatures exceeding 50°C. Eliminate all ignition sources, including cigarettes, open flames, spark producing switches/tools, heaters, pilot lights, mobile phones, etc when handling. Aerosol cans may explode above 50°C.

**5.3 Advice for firefighters**

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

**5.4 Hazchem code**

None allocated.

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**6. ACCIDENTAL RELEASE MEASURES**

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## PRODUCT NAME COPPER ANTI-SEIZE AEROSOL

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Ventilate area where possible.

### 6.2 Environmental precautions

Prevent product from entering drains and waterways.

### 6.3 Methods of cleaning up

Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

### 6.4 Reference to other sections

See Sections 8 and 13 for exposure controls and disposal.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool (< 50°C), dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Ensure aerosol containers/ cans are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for damaged/ leaking containers. Large storage areas should have appropriate fire protection systems.

### 7.3 Specific end uses

No information provided.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

#### Exposure standards

| Ingredient                    | Reference      | TWA  |                   | STEL |                   |
|-------------------------------|----------------|------|-------------------|------|-------------------|
|                               |                | ppm  | mg/m <sup>3</sup> | ppm  | mg/m <sup>3</sup> |
| Copper (fume)                 | SWA [AUS]      | --   | 0.2               | --   | --                |
| Copper (fume, dusts & mists)  | SWA [Proposed] | --   | 0.01              | --   | --                |
| Copper, dusts & mists (as Cu) | SWA [AUS]      | --   | 1                 | --   | --                |
| Liquefied petroleum gas (LPG) | SWA [AUS]      | 1000 | 1800              | 1000 | 1800              |
| Mineral Oil Mist              | SWA [AUS]      | --   | 5                 | --   | --                |

### Biological limits

No biological limit values have been entered for this product.

### 8.2 Exposure controls

**Engineering controls** Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical explosion proof extraction ventilation is recommended. Flammable vapours may accumulate in poorly ventilated or confined areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back.

#### PPE

|                    |                                                                                                                  |
|--------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Eye / Face</b>  | Wear splash-proof goggles.                                                                                       |
| <b>Hands</b>       | Wear nitrile or neoprene gloves.                                                                                 |
| <b>Body</b>        | When using large quantities or where heavy contamination is likely, wear coveralls.                              |
| <b>Respiratory</b> | At high vapour levels, wear a Type A-Class P1 (organic vapour and particulate) / Organic vapour P100 respirator. |



## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

|                           |                                  |
|---------------------------|----------------------------------|
| Appearance                | BROWN LIQUID (AEROSOL DISPENSED) |
| Odour                     | MILD ODOUR                       |
| Flammability              | EXTREMELY FLAMMABLE              |
| Flash point               | < 0°C                            |
| Boiling point             | NOT AVAILABLE                    |
| Melting point             | NOT AVAILABLE                    |
| Evaporation rate          | NOT AVAILABLE                    |
| pH                        | NOT AVAILABLE                    |
| Vapour density            | NOT AVAILABLE                    |
| Relative density          | NOT AVAILABLE                    |
| Solubility (water)        | INSOLUBLE                        |
| Vapour pressure           | NOT AVAILABLE                    |
| Upper explosion limit     | NOT AVAILABLE                    |
| Lower explosion limit     | NOT AVAILABLE                    |
| Partition coefficient     | NOT AVAILABLE                    |
| Autoignition temperature  | NOT AVAILABLE                    |
| Decomposition temperature | NOT AVAILABLE                    |
| Viscosity                 | NOT AVAILABLE                    |
| Explosive properties      | NOT AVAILABLE                    |
| Oxidising properties      | NOT AVAILABLE                    |
| Odour threshold           | NOT AVAILABLE                    |

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Carefully review all information provided in sections 10.2 to 10.6.

### 10.2 Chemical stability

Stable under recommended conditions of storage.

### 10.3 Possibility of hazardous reactions

Polymerization is not expected to occur.

### 10.4 Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources.

### 10.5 Incompatible materials

Incompatible with oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid), alkalis (e.g. sodium hydroxide), heat and ignition sources.

### 10.6 Hazardous decomposition products

May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

**Acute toxicity** This product may have the potential to cause adverse health effects if intentionally misused (e.g. deliberately inhaling contents).

**Information available for the ingredients:**

| Ingredient                                                                | Oral LD50                  | Dermal LD50                                           | Inhalation LC50                        |
|---------------------------------------------------------------------------|----------------------------|-------------------------------------------------------|----------------------------------------|
| DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC (<3% DMSO EXTRACT) | > 5000 mg/kg (rat)         | > 2000 mg/kg (rabbit)                                 | > 5 mg/L (rat)                         |
| SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC                              | > 5000 mg/kg (OECD TG 401) | > 2000 mg/kg (OECD TG 402 under occlusive conditions) | > 5610 mg/m <sup>3</sup> (OECD TG 403) |
| COPPER                                                                    | --                         | > 2000 mg/kg (rat)                                    | --                                     |

**Skin** Contact may result in mild irritation, drying and defatting of the skin, rash and dermatitis.

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|                                 |                                                                                                                                                                                |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye</b>                      | Contact may cause discomfort, lacrimation and redness.                                                                                                                         |
| <b>Sensitisation</b>            | Not classified as causing skin or respiratory sensitisation.                                                                                                                   |
| <b>Mutagenicity</b>             | Not classified as a mutagen.                                                                                                                                                   |
| <b>Carcinogenicity</b>          | Not classified as a carcinogen.                                                                                                                                                |
| <b>Reproductive</b>             | Not classified as a reproductive toxin.                                                                                                                                        |
| <b>STOT - single exposure</b>   | Over exposure may result in dizziness and nausea.                                                                                                                              |
| <b>STOT - repeated exposure</b> | Not classified as causing organ damage from repeated exposure.                                                                                                                 |
| <b>Aspiration</b>               | Ingestion is considered unlikely due to product form. However, if liquid component is ingested, aspiration into the lungs may cause chemical pneumonitis and pulmonary oedema. |

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**12. ECOLOGICAL INFORMATION**

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**12.1 Toxicity**

No information provided.

**12.2 Persistence and degradability**

No information provided.

**12.3 Bioaccumulative potential**

No information provided.

**12.4 Mobility in soil**

No information provided.

**12.5 Other adverse effects**

Avoid contamination of drains and waterways.

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**13. DISPOSAL CONSIDERATIONS**

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**13.1 Waste treatment methods**

|                       |                                                                                                                                                                                                                              |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Waste disposal</b> | For small amounts, absorb contents with sand or similar and dispose of to an approved landfill site. Do not puncture or incinerate aerosol cans. Contact the manufacturer/supplier for additional information (if required). |
| <b>Legislation</b>    | Dispose of in accordance with relevant local legislation.                                                                                                                                                                    |

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**14. TRANSPORT INFORMATION**

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CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE



|                                    | LAND TRANSPORT (ADG) | SEA TRANSPORT (IMDG / IMO) | AIR TRANSPORT (IATA / ICAO) |
|------------------------------------|----------------------|----------------------------|-----------------------------|
| <b>14.1 UN Number</b>              | 1950                 | 1950                       | 1950                        |
| <b>14.2 Proper Shipping Name</b>   | AEROSOLS             | AEROSOLS                   | AEROSOLS                    |
| <b>14.3 Transport hazard class</b> | 2.1                  | 2.1                        | 2.1                         |
| <b>14.4 Packing Group</b>          | None allocated.      | None allocated.            | None allocated.             |

**14.5 Environmental hazards**

Not a Marine Pollutant.

**14.6 Special precautions for user**

**Hazchem code**               None allocated.

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|       |          |
|-------|----------|
| GTEPG | 2D1      |
| EmS   | F-D, S-U |

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**15. REGULATORY INFORMATION**

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**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

|                           |                                                                                                                                                                                                                                                                 |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Poison schedule</b>    | A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).                                                                                                 |
| <b>Classifications</b>    | Safe Work Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals (GHS Revision 7).                                                                                                                    |
| <b>Inventory listings</b> | <b>AUSTRALIA: AIIIC (Australian Inventory of Industrial Chemicals)</b><br>All components are listed on AIIIC, or are exempt.<br><b>UNITED STATES: TSCA (US Toxic Substances Control Act)</b><br>All components are listed on the TSCA inventory, or are exempt. |

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**16. OTHER INFORMATION**

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**Additional information**                      AEROSOL CANS may explode at temperatures approaching 50°C.

RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**HEALTH EFFECTS FROM EXPOSURE:**

It should be noted that the effects from exposure to this product will depend on several factors including: form of product; frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

|                      |                   |                                                                                                 |
|----------------------|-------------------|-------------------------------------------------------------------------------------------------|
| <b>Abbreviations</b> | ACGIH             | American Conference of Governmental Industrial Hygienists                                       |
|                      | CAS #             | Chemical Abstract Service number - used to uniquely identify chemical compounds                 |
|                      | CNS               | Central Nervous System                                                                          |
|                      | EC No.            | EC No - European Community Number                                                               |
|                      | EMS               | Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)                   |
|                      | GHS               | Globally Harmonized System                                                                      |
|                      | GTEPG             | Group Text Emergency Procedure Guide                                                            |
|                      | IARC              | International Agency for Research on Cancer                                                     |
|                      | LC50              | Lethal Concentration, 50% / Median Lethal Concentration                                         |
|                      | LD50              | Lethal Dose, 50% / Median Lethal Dose                                                           |
|                      | mg/m <sup>3</sup> | Milligrams per Cubic Metre                                                                      |
|                      | OEL               | Occupational Exposure Limit                                                                     |
|                      | pH                | relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline). |
|                      | ppm               | Parts Per Million                                                                               |
|                      | STEL              | Short-Term Exposure Limit                                                                       |
|                      | STOT-RE           | Specific target organ toxicity (repeated exposure)                                              |
|                      | STOT-SE           | Specific target organ toxicity (single exposure)                                                |
|                      | SUSMP             | Standard for the Uniform Scheduling of Medicines and Poisons                                    |
|                      | SWA               | Safe Work Australia                                                                             |
|                      | TLV               | Threshold Limit Value                                                                           |
|                      | TWA               | Time Weighted Average                                                                           |

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**Report status**

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

**Prepared by**

Risk Management Technologies  
5 Ventnor Ave, West Perth  
Western Australia 6005  
Phone: +61 8 9322 1711  
Fax: +61 8 9322 1794  
Email: [info@rmtglobal.com](mailto:info@rmtglobal.com)  
Web: [www.rmtglobal.com](http://www.rmtglobal.com)

**[ End of SDS ]**