

# TECHNICAL DATA SHEET

Product No: 3145, 3183, 3195



## CRC Industries (Aust) Pty Ltd

### COPPER ANTI-SIEZE

#### *I. Product Description*

CRC Copper Anti-Seize and Lubricating Compound is a general purpose anti-seize lubricant that prevents seizing and galling caused by high temperatures, heavy loads, vibration and corrosion. This unique formula has a smooth texture, fine particle sizing and familiar copper colour, making it an excellent choice for closely fitted parts that need extreme lubrication. Regular use of Copper Anti-Seize will increase performance and prolong equipment life.

#### *II. Features & Benefits*

- **Copper-Based.** Safe for use on both ferrous and non-ferrous metals.
- **High Temperature Resistance.** Protects parts up to 982° C.
- **Electrically Conductive.** Does not insulate and interrupt current flow.
- **Good Choice for Use on Soft Metal Applications.** Does not compromise integrity of soft metals.
- **Will Not Harden.** Heat aging won't affect lubricity of product.
- **Facilitates Fast & Easy Disassembly.** Saves time in taking apart components.
- **Minimal VOC Content.** Contains negligible amounts of volatile organic compounds which cause ground smog.
- **Contains No Known Ozone Depleting Chemicals.** Offers effective performance while complying with the EPA regulations on the use of ozone depleting chemicals.
- **Aerosol Includes Permastraw™ Dual-Action Spray System** - One piece actuator with two-way spray that ensures that straw stays in place

#### *III. Application and Directions*

##### **Preparation:**

- Always read entire label before using product.
- Aerosol application: **Do not apply while equipment is energised.** Shake can vigorously to free agitator ball and mix product. Shake periodically during use.
- For best results, clean scale and old compound from threaded surfaces.
- Note: When grinding or wire brushing use a dust mask.
- Do not use a thinner.

##### **Application:**

- Coat mating surfaces and assemble.
- To avoid contamination, keep container closed when not in use.
- Contains hydrocarbons. Do not use in oxygen service.

#### **IV. Typical Properties and Characteristics**

##### **Physical and Performance Properties:**

<b>Flashpoint</b>	<b>Aerosol</b>	<b>Bulk</b>
	<0 °C (TCC)	221°C (COC)
<b>Appearance</b>	Copper to bronze semi-solid paste	
<b>Odour</b>	Petroleum	
<b>Vapor Density</b>	Not applicable	
<b>Base Type</b>	Copper	
<b>Flammability</b>	<b>Aerosol</b>	<b>Bulk</b>
	Flammable	Non-flammable
<b>Specific Gravity</b>	<b>Aerosol</b>	<b>Bulk</b>
	0.806	1.09
<b>Plastic Safe</b>	Yes	
<b>Operating Temperature Range</b>	-70°C to +982°C	
<b>Type of film</b>	Paste	
<b>Torque Coefficient (k) on Steel Nuts &amp; Bolts</b>	0.10	
<b>Clean Up</b>	Remove with general purpose degreaser	

#### **V. Specifications and Approvals**

#### **VI. Package Description**

##### **Part Number    Size**

3145	75ml Tube
3183	500ml Brush Top Can
3195	400ml Aerosol + Permastraw™ Dual-Action Spray

#### **VII. Disposal**

All unused product should be disposed of in conformance with local, and government regulations.

#### **VIII. Special Precautions**

##### **Aerosol Cans**

Do not puncture, incinerate or store above 49° C. Exposure to high temperatures may cause can to burst. Do not place in direct sunlight or near any heat source. Aerosol cans will conduct electricity. Keep away from all live electrical sources including battery terminals, solenoids, electrical panels and other electronic components. Failure to observe this warning may result in serious injury from flash fire and/or electrical shock.

##### **General**

Use only in well ventilated area. Ventilation may be improved by opening a window or door or providing mechanical assistance. Avoid continuous breathing of vapour and spray mist. Avoid contact with skin and eyes. If ventilation is not adequate, respiratory protection should be worn.

For more information regarding short term and long term exposure, review this product's Material Safety Sheet.

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**PRODUCT WARRANTY:** CRC offers a conditional warranty of this product for the period of 5 years from the date of manufacture.

**DISCLAIMER:** All information on this data sheet is based on testing by CRC Industries (Aust) Pty Ltd. All products should be tested for suitability on a particular application prior to actual use. CRC Industries (Aust) Pty Ltd makes no representations or warranties of any kind concerning this data.