

# TECHNICAL DATA SHEET

Product No. 3063



ACN 000 725 833

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### I. Product Description

**Treflex CDT Cutting Oil** is a superior cutting, drilling and tread cutting lubricant for the use on all types of metal. Additives create a strong film that can withstand extreme pressure to increase tool life and improves cutting, and with a viscosity modifier increases 'cling' for use at any angle. The low-odour formula is safe on soft metals such as brass, copper and aluminium.

### II. Applications

**Treflex CDT Cutting Oil** is recommended and idea for the critical machining of non-ferrous metals for all operations in Machinability \*Group 1 (except those such as deep drilling where low viscosity oil is required) and less critical operations in Machinability \*Group 2.

\* Group 1: Nickel alloys, nitro alloy steel, cast irons and alloy steels up to 200 Brinell.

\* Group 2: Stainless steels, 'monel' metals, cast irons and alloy steels of 200 to 300 Brinell.

### III. Features & Benefits

- **Superior Lubricant.** For cutting, drilling, and tread cutting for all types of metals.
- **Extreme Pressure Resistant.** Increases tool life and improves cutting.
- **Viscosity Modifier.** Allows work at any angle due to increased 'cling'.
- **Soft Metal Safe.** Formula safe on soft metals such as brass, copper and aluminium.
- **Anti-corrosive Residue.** Leaves an anti-corrosive residue.
- **Aerosol.** Available in 300g for controlled application.
- **Bulk.** Available in bulk.

### IV. Physical Properties without propellant

|   |                                   |                         |                                   |
|---|-----------------------------------|-------------------------|-----------------------------------|
| <b>Flash Point (TOC)</b>                | >150°C (Aerosol)<br>>200°C (Bulk) | <b>% Volatile</b>       | 20 (aerosol)<br>negligible (bulk) |
| <b>Odour</b>                            | Of lubricating oil                | <b>Solubility</b>       | Insoluble in water                |
| <b>Appearance</b>                       | Brown liquid                      | <b>Boiling Point</b>    | >320°C (Bulk)                     |
| <b>Vapour Density</b>                   | Greater than air                  | <b>Specific Gravity</b> | 1.01 ± 0.05 @<br>20°C             |
| <b>Propellant</b>                       | Hydrocarbon                       |                         |                                   |
| <b>VOC Content including propellant</b> | 20%wt, 165 g/litre                |                         |                                   |

## V. Specification and Approvals

- MAF Approval (C14) Meat

## VI. Performance Characteristics

|  |              |
|--|--------------|
| <b>Type of Film</b>                          | Non – drying |
| <b>Kinematic Viscosity (20<sup>0</sup>C)</b> | 28 CSC       |
| <b>Load Wear Index ASTM D 2783</b>           | 96 da N      |
| <b>Falex EP Failure Load</b>                 | 3500 lbs.    |

## VII. Directions

- Read all directions and warnings before using
- Shake can well before using
- Coat area ensuring total coverage to give maximum lubrication.
- Use extension tube in hard to reach areas and spot lubrication.

## VIII. Disposal

Disposal requirements vary by state and local regulations. All used and unused product should be disposed of in conformance with local, state and commonwealth laws and regulations.

## IX. Special Use Warnings

### Aerosol Cans

Do not puncture, incinerate or store above 50<sup>0</sup>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 the 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 Data Sheet.

**PRODUCT WARRANTY:** CRC offers a conditional warranty on this product for the period of 2 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.