



CRC METAL-FREE PASTE

Ref. : 10434

1. GENERAL DESCRIPTION

Multi-purpose high temperature ceramic separating and mounting paste.

CRC Metal-Free Paste is a white, metal-free paste, based on high-tech ceramic solid lubricants and matured additives suspended in a mineral/synthetic premium grade stable oil. It is an effective anti-seize formulation for applications from -40°C up to +1.400°C, preventing metal-to-metal contact, seizing, galling and fretting corrosion.

2. FEATURES

- Contains no free metals.
- Reduces friction and wear, even when the base oil has already evaporated.
- High pressure and high temperature resistance.
- Protects against burning-in, corrosion and seizing.
- No galvanic corrosion potential.
- Fast and easy mounting of threaded parts.
- Facilitates disassembly of all parts exposed to high temperatures, even after prolonged use in corrosive atmospheres.
- Stops and prevents disc brake noise and vibration.
- Hot and cold water resistant.
- Free from lead, copper, nickel, sulphur and their compounds.
- Aerosol formulation does not contain chlorinated solvents and uses LPG propellant.

3. APPLICATIONS

- | | | |
|------------------|------------------------------------|------------------|
| • Machines | • Exhaust screw connections | • Flanges |
| • Disc brakes | • Plugs, shafts, bushings, splines | • Cylinder heads |
| • Threaded parts | • Heat exchangers | • Pipe joints |
| • Turbines | • Bolts, nuts, screws | • Fittings |

4. DIRECTIONS

- The surfaces to be treated should be clean, dry and grease-free. Wire-brush scaled parts and clean with an oil-free solvent like CRC Industrial Degreaser.
- A thin, even film should be applied either by spraying or by brushing.
- Assembled parts can slowly be put in motion.
- Avoid mixing with other products.
- Test before use on plastics and rubber.
- Do not use on energised equipment, oxygen systems or in presence of acetylene.
- Use aerosol only in ventilated areas.
- A safety data sheet (MSDS) according EU-directive 93/112 is available for all CRC products.



Manufactured by :
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www.crcind.com





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5. TYPICAL PRODUCT DATA (without propellant)

| | | |
|---|---|--------------------------|
| Appearance | : | homogeneous, white paste |
| Aerosol properties | | |
| Flash point (open cup) | : | < 0°C |
| Boiling range (solvent) | : | 40 - 65°C |
| Vapour density (vs. air = 1) | : | 3 |
| Specific gravity (@ 20°C) | : | 0,88 |
| Dry film properties | | |
| Specific gravity (@ 20°C) | : | 1,4 |
| Flash point (open cup) | : | > 200°C |
| Dropping point | : | none |
| Penetration (ISO 2137) | : | 200 - 220 |
| Low temperature stability | : | -40°C |
| Temperature resistance | | |
| - lubrication | : | 300°C |
| - anti-seize | : | 1400°C* |
| Hot water resistance (DIN 51807 T1, 40°C, 90°C) | : | 1 |
| Corrosion (DIN 50021) | : | > 500h |
| Four Ball Wear (DIN 51350, 4) | : | 3800/4000 N |

6. PACKAGING

aerosol : 12 x 300 ml
tubes : 6 x 100 g

* Temperature of 1000°C is melting temperature of metal. Paste resists temperature of 1400°C

All statements in this publication are based on service experience and/or laboratory testing. Because of the wide variety of equipment and conditions and the unpredictable human factors involved, we recommend that our products be tested on-the-job prior to use. All information is given in good faith but without warranty neither expressed nor implied.

This Technical Data Sheet may already have been revised at this moment for reason such as legislation, availability of components and newly acquired experiences. The latest and only valid version of this Technical Data Sheet will be sent to you upon simple request or can be found on our website: www.crcind.com.

We recommend you to register on this website for this product so you will be able to receive any future updated version automatically.

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