

## 1. GENERAL DESCRIPTION

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A Dry Surface Lubricant containing PTFE. CRC Dry Lube is a fast drying, fluorotelomer dispersion of white, waxy particles of polytetrafluoroethylene (PTFE). When applied to a variety of surfaces, the product exhibits outstanding lubricity and antistick or release properties. The low molecular weight of PTFE gives thermal and chemical stability. As a lubricant, CRC Dry Lube is most effective where low speeds and light loads are involved.

## 2. FEATURES

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- Clean, dry and non-oily.
- Functions under a wide variety of conditions, ranging from cryogenic temperatures to 260°C.
- Produces extremely low coefficient of friction.
- Reduces 'stick-slip' problems to a minimum.
- Most effective where low speeds and light loads are involved.
- Thermal stability: can be heated above its melting point before appreciable decomposition starts.
- Chemical stability: resistant to most acids and hydroxides (HNO<sub>3</sub> conc., HCl conc., H<sub>2</sub>SO<sub>4</sub> conc., NaOH 30%, KOH 30%) at room temperature.
- Room temperature drying.
- User friendly operation.
- Delivered in an aerosol for convenience.

## 3. APPLICATIONS

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### a. As a Dry Lubricant

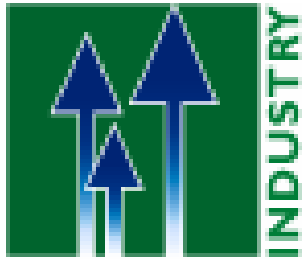
CRC Dry Lube is extensively used as a dry surface lubricant in electronic switches, window hardware, military equipment and many others:

- Leather, plastics, and elastomers used in drive belts, gaskets, packings, gears, bearings and sleeves, and chain drives.
- Metal, fabric and thread, as well as cord, twine, rope and cable made from natural or synthetic fibers.
- Machine parts and fittings, including nuts and bolts linkage and connectors, locks, power saw blades machine mechanisms, electrical equipment, instruments and office machines.
- Extrusion, rolling, drawing, sizing, and other metalworking operations.
- Musical instruments, magnetic recording tapes, camera shutters and film.
- Glass and paper.
- Door hinges, locks and catches, window guides, slide channels on storm window sashes and screens, furniture and cabinet drawers and guides, zippers, and many other household items.

### b. As a Release Agent

Used extensively as a release agent in the moulding of rubber and plastic parts. CRC Dry Lube is virtually unaffected by either the mould's material or the products being moulded.





## CRC DRY LUBE

Ref. : 10255

Transfer of CRC Dry Lube to moulded parts is negligible, minimizing interference with post finishing operations.

An ideal release agent for:

- Moulded rubber parts, moulded plastics, conveyor belts, chutes and slides, paper, leather, industrial blenders, tanks, bins, spray booths, hosiery forms, pressure sensitive labels, gaskets, seals, hardboard plywood and other laminated wood products.

### 4. DIRECTIONS

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- Apply on a clean, dry surface.
- Ready to use aerosol - shake well before using.
- Spray from a distance of approximately 20-30 cm.
- Dry in about 5-10 minutes at room temperature.

### 5. TYPICAL PRODUCT DATA (without propellant)

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Colour	: white, translucent
Specific gravity (@ 20°C)	: 0,71
Flash point	: < 0°C
Dry film properties	
Maximum temperature	: +260°C
Average particle size	: 5 µm
Hardness	: 0,5 mm (as per ASTM D 1321-57 T 400g, 5s)
Density (ASTM D 891)	: 2,16 g/cm <sup>3</sup>
Drying time (@ 20°C)	: 15 minutes
Surface preparation	: - apply on a clean dry surface - adhesion can be improved by controlling surface roughness

Product removal by solvents, e.g. CRC Fast Dry Degreaser, CRC Industrial Degreaser.

### 6. PACKAGING

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aerosol : 12 x 400 ml

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](http://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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