



## 1. GENERAL DESCRIPTION

Multi-purpose lubricant and corrosion inhibitor.

CRC 3-36 is based on a paraffinic oil and a multiple organic inhibitor system that prevents rust and corrosion by displacing and sealing out moisture and by forming a continuous protection barrier against water and oxygen. The oily, almost invisible film of CRC 3-36 lubricates and penetrates into the finest pores and cracks of the surface.

CRC 3-36's effectiveness for surface protection is derived from three of its principal properties :

- affinity for metal
- low surface tension
- high capillary action.

By its affinity for metal and low surface tension CRC 3-36 displaces moisture and separates it from contact with the metal surface. The high capillary action contributes to the great spreading power.

## 2. FEATURES

- Multi-purpose lubricant, penetrant and corrosion inhibitor
- Displaces and seals out moisture, especially after washing or hosing off engines or equipment
- Penetrates through corrosion to loosen frozen parts
- Lubricates without leaving a sticky residue
- Cleans light soils and contaminants
- Prevents 'fingerprinting' by its protective film
- Protection of all metals and alloys
- Compatible with most painted surfaces, coatings, plastics and rubbers
- Equipped with the 360° (upside-down) spray valve for added convenience
- Pressurised with non-flammable CO<sub>2</sub> propellant
- Active product content of 97%
- Specifications :
  - MIL-C-81309; Meets VV-P-216B and O-W-1284B
  - NSN 6850-00-050-0659
  - USDA class H2

## 3. APPLICATIONS

For new, in service or stored equipment.

- **PROCESS MANUFACTURING :**
  - Heat treated parts
  - Machined surfaces
  - Finished welds
  - In-process aluminium extrusions
  - Precision mechanisms
- **MACHINING :**
  - Fixtures
  - Dies
  - Jigs
  - Shim stock
  - Chucks
  - Drill rod
- **MATERIAL STORAGE**
  - Tubings
  - Castings
  - Gears
  - Weld rod and wire
- **MAINTENANCE**
  - Air actuated tools
  - Conveyors
  - Frozen joints
  - Locks
  - Hoists



**4. DIRECTIONS**

- Spray in light, even films to lubricate and protect metal surfaces. For electrostatic spraying, addition of polar solvents (butanol, nitropropane, ...) may be necessary.
- Apply liberally and allow to penetrate to free rusted parts. Full penetration may require several hours.
- To displace moisture, spray wet surfaces until run-off is clear and moisture-free.
- To be removed by solvent cleaners (CRC Industrial Degreaser, CRC Fast Dry Degreaser, ...) or alkaline degreasing before surface treatment.
- For application of CRC 3-36 in dipping baths, customers should take care to stir from time to time (to distribute small amounts of deposits) and to prevent excessive evaporation of solvent. When stable emulsions have been formed, the bath should be emptied and cleaned, and the product replaced.
- Do not use on energized equipment. Use in a well ventilated area. A safety data sheet (MSDS) according EU-Directive 93/112 is available for all CRC products.

**5. TYPICAL(\*) PRODUCT DATA (without propellant)**

Appearance	: blue-green, clear
Specific gravity (@ 20°C)	: 0.83
Distillation range of solvents	: 190-250°C
Freezing point	: -50°C
Flash point (open cup)	: 78°C
Dynamic viscosity (@ 20°C)	: 3.9 mPa.s
Ultimate film thickness (@ 20°C, after a 24 hr spread)	: 2.10 <sup>4</sup> m.
Maximum expected coverage (@ 20°C, after a 24 hr spread)	: 100m <sup>2</sup> /l.
Solvent dissipation (@ 20°C, thin film)	: 2-4 h.
Film properties (after evaporation of solvent)	
Dynamic viscosity (@ 20°C)	: 64 mPa.s
Falex true load failure (ASTM D 3233, Proc.A)	: 8900N
Salt spray resistance (**)	: 65 h.
Heat resistance	: 120°C (150°C short time)

**6. PACKAGING**

aerosol :	12 x 300 ml
	12 x 500 ml
bulk :	4 x 5 L
	5 L + sprayer
	20 L
	200 L

\*These values are not intended to be used as specifications. They are based on information we believe reliable. However, it is the user's responsibility to determine the suitability of the product for his own use.

\*\* Typical corrosion protection results will depend mainly on surface conditions and indoor environment. It may be less than 1 month or more than 6 months. The first application therefore should be checked periodically for signs of corrosion. Once the time of protection under any specific condition is determined, CRC 3-36 may be re-applied at intervals to maintain protection.

This Technical Data Sheet refers to article numbers starting with 10010.