CRC SP 400

Ref. : 10050

1. GENERAL DESCRIPTION

Long-term outdoor and indoor corrosion inhibitor.
CRC SP 400 is a long-term, outdoor and indoor corrosion inhibitor for machined surfaces and assemblies subjected to long periods of storage or adverse shipping conditions. The amber, dry, waxy film never becomes brittle and is highly resistant to humidity and severe corrosive atmospheres.

2. FEATURES

- Long-term protection (up to 1 year outdoors) for all metals during shipment or extended storage.
- Waxy film seals out moisture effectively.
- Highly resistant to humidity and salt spray.
- Can be removed or diluted, for film thickness variation, with petroleum solvents.
- Aerosols use hydrocarbon propellant for controlled application and film thickness.
- Specifications :
  - meets Mil-C-16173, grade 4
  - NSN 8030-17-039-7214.

3. APPLICATIONS

- Protection of finished components, in-process parts, in-transit goods, raw materials, structural steel.
- Effective corrosion shield for overseas shipments, ‘winterising’ of farm machinery, outdoor storage.
- Protection of equipment, tools, dies, molds, jigs, pipes, shafts, housings, wire ropes, valves, gears.
- To be used for brine and chloride resistance in refrigeration plants.
- In paper and pulp plants.
- As a cable end sealer and pipe joint protector in utilities.
- Protection of air conditioning and electrical equipment in hospitals and educational institutions.
- In airport and aircraft maintenance and construction.

4. DIRECTIONS

- Shake aerosol can well before use. Stir or mix bulk product to break its paraffin structure before dipping or brushing applications.
- Mask area not to be treated. If necessary, remove by solvent cleaners (CRC Fast Dry Degreaser, CRC Industrial Degreaser...).

Manufactured by :
CRC Industries Europe NV
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- Film thickness may be adjusted by thinning with petroleum solvents, but corrosion resistance varies with film thickness (see typical properties).
- For applications in wet or very humid conditions, CRC 3-36 should be applied first for complete moisture displacement. Allow then 2 to 4 hours for solvent evaporation before SP 400 is applied.
- When finished spraying, clean aerosol valve by turning can upside down and pressing actuator until only propellant escapes.
- Do not use on energised equipment. Use in well ventilated areas.

A Safety data sheet (MSDS) according EU directive 93/112 is available for all CRC products.

5. TYPICAL PRODUCT DATA (without propellant)

Appearance	: amber, waxy
Specific gravity (@ 20°C)	
aerosol	: 0.87
bulk	: 0.92
Distillation range of solvents	
aerosol	: 50-230°C
bulk	: 160-230°C
Flash point (closed cup)	
aerosol	: < 0°C
bulk	: 35°C
Dynamic viscosity (@ 20°C)	
aerosol	: 58,5 cPs
bulk	: 200 to 700 mPa.s depending on paraffin structure
Freezing point	
aerosol	: - 30°C
bulk	: -12°C
Coverage	
spraying	: 20 m^2/L
dipping	: 5 m^2/L
Solvent dissipation (@ 20°C, thin film)	: 1-2 h.
Film properties (after evaporation of solvent)	
Film appearance	: dry, waxy
Film thickness	: 10 - 50 µm
Salt spray resistance (*) (ASTM B 117)	
@ 10 µm film thickness	: 200 h.
@ 50 µm film thickness	: > 500 h.
Auto-ignition temperature	: > 250°C
Flow resistance (vertical)	: > 80°C

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6. PACKAGING

aerosol : 12 x 300 ml
bulk : 4 x 5 l
20 l
200 l

* Typical corrosion protection results will depend mainly on surface conditions and environment. It may be up to 1 year outdoors or more than 2 years indoors. The first application therefore should be checked periodically for signs of corrosion. Once the time of protection under any specific condition is determined, CRC SP400 may be re-applied at intervals to maintain protection.

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