

## 1. GENERAL DESCRIPTION

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CRC Zinc is a unique combination of zinc powders and resins, formulated to form a high performance zinc-rich coating that actively fights rust and corrosion by its galvanic properties. Ferrous metals are protected by the sacrificial action, even when scratched or damaged. Zinc becomes the anode which is attacked by corrosion and the base metal the cathode. A film of water-insoluble zinc oxide is formed, which stops rust and corrosion.

## 2. FEATURES

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- Excellent touch-up for damaged galvanized surfaces.
- Allows spot welding.
- No chlorinated solvents. Totally lead and chromate free.
- Excellent corrosion resistance through cathodic protection even when the coating is scratched or damaged.
- Good mechanical resistance due to the excellent adhesion on metal.
- Specifications : NSN 8030-01-120-3553.
- Can be painted by most of the commonly used finishes.

## 3. APPLICATIONS

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For general use in all situations where clean and degreased metal surfaces need to be protected against corrosion:

- Power generation equipment
- Trailers
- Transmission towers
- Transformers
- Ships
- Radio and T.V. relay towers
- Sub-station equipment
- Fencing
- Structural steel
- Railroad equipment
- Roofs Guard rails
- Coastal and ship borne installations
- Storage tanks.
- Welding seams rivet holes
- Off shore oil rigs
- Repair of galvanized parts
- Home, garden and farm equipment

## 4. DIRECTIONS

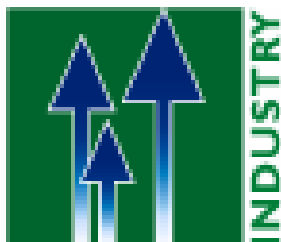
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- Shake aerosol can very well for at least one minute after agitator ball is free. Stir or mix bulk product well to obtain a homogeneous dispersion. Repeat frequently while using.
- Apply to a clean, dry surface for best results. Remove rust and scale with a wire brush.
- Apply in light, even coats; best results are obtained with 2 lighter rather than 1 heavy coat. Additional coats can be applied after 10-15 minutes. A minimum film thickness of 40 µm is needed for adequate protection.
- When finished spraying, clean aerosol valve by turning can upside down and pressing button until only propellant escapes. If clogging occurs, remove button and clean orifice with fine wire.
- Do not use on energized equipment. Use in well ventilated area.



Manufactured by :  
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- A Safety data sheet (MSDS) according to EU directive 91/155/EEC and amendments is available for all CRC products.

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

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Appearance		: smooth, dull grey finish
Specific gravity (@ 20°C):	-aerosol	: 1.45
	-bulk	: 2.45
Flash point (closed cup)	-aerosol	: < 0°C
	-bulk	: 36°C
Coverage (40 µm dry film)	-aerosol	: 0.4 to 0,8 m <sup>2</sup> /can
	-bulk	: 7,5 to 12 m <sup>2</sup> /L
Application conditions		
minimum ambient temperature		: 10°C
minimum surface temperature		: 5°C; 3°C over dew point
maximum humidity		: 85% RH
Drying time (dry-to-touch)		: 40 minutes
Curing time		: 90% cured after 7 days @ 23°C
Purity of Zinc pigment		: > 98.5%
Dry film properties (40-60 µm)		
Adhesion on steel (ASTM D 3359)		: Gt= 0/1
Heat resistance (4 h.)		: 200°C
Low temperature resistance		: -30°C
Salt spray (*) (ASTM B 117)		: 350 h. (40 µm film thickness)
Hardness PERSOZ (after 24 h.)		: 106 s
Hardness PERSOZ (after 1 week)		: 142 s
Flexibility (6 mm mandrel, visual)		: pass

### 6. PACKAGING

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aerosol	: 12 x 400 ml
bulk	: 750 ml

- \* Typical corrosion protection results will depend mainly on surface conditions and environment. It may be several months up to over 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 Zinc may be re-applied at intervals to maintain protection.

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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