



I. Product Description

CRC Weld Check™ Cleaner & Penetrant Remover is a quick drying solvent cleaner/degreaser and excess penetrant remover for the nondestructive testing of metal surfaces by liquid penetrant inspection. Many cracks in engineering materials can be deep in spite of having a very small opening width on the surface and can cause very serious defects. By normal visual inspection such cracks may be very difficult to detect, but penetrant flaw detection is an extension of the visual inspection method. The control is carried out using 3 products: CRC Weld Check™ Cleaner & Penetrant Remover, CRC Weld Check™ Penetrant, and CRC Weld Check™ Developer. **CRC Weld Check™ Cleaner & Penetrant Remover** is a non-chlorinated, fast drying, powerful degreasing solvent for the removal of dirt, grime and contaminants. It is designed for the pre-treatment of the surface, prior to liquid penetrant inspection and to remove all visible, colored traces of the penetrant.

II. Applications

Non-destructive inspection of materials, parts, assemblies, equipment, surfaces or structures. Detects the following:

- Cracks, lack of fusion and open cavities in welded parts
- Cracks and cavities caused by metal fatigue and cutting operations
- Porosity or leaks in pipes, tanks, boilers, heat exchangers
- Discontinuities, laps, folds and cracks in castings, forgings and ceramics

III. Features & Benefits

- Effective wash-away of contaminants and colored penetrant.
- Fast evaporation to minimize downtime.
- Leaves no residue.
- Stable, non-staining and non-corrosive.
- **S.D.[L.]™- Safety Data Label™**. Provides instant access to current safety information should an accident or OSHA inspection occur. Helps comply with **OSHA Hazard Communications Standard 29 CFR 1910.1200**.

IV. Physical Properties without propellant

Flash Point	<0°F TCC	Boiling Point	130°F initial
Odor	Slight solvent	Solubility	Slight in H ₂ O
Appearance	Colorless liquid	% VOC	46.25
Vapor Density	>1 (air = 1)	Specific Gravity	0.720
VOC Content (Fed)	333 g/L	Freezing Point	<-76°F
Sara Title III, Sect. 313 Chemicals	Yes	pH	N/A
Prop 65	No	Propellant	CO ₂
Vapor Pressure	Not Determined		

V. Specifications and Approvals

- Complies with ASTM E165, ASME Section 5, Article 6.

VI. Performance Characteristics

ASTM D-877 (Dielectric Strength)	6,000 volts
ASTM D-56 (Flash Point)	<0°F (TCC)
ASTM D-1130 (KB Value)	106

VII. Directions

Directions for the fast, non-destructive testing of welds, surface faults and cracks:

Read entire label before using this product.

1. **Do not apply while equipment is energized.**
2. Clean the surface to be treated with CRC Weld Check™ Cleaner & Penetrant Remover.
3. Shake can of CRC Weld Check™ Penetrant very well and spray a light even coat on the test surface.
4. Allow to remain on the test surface for 10 to 20 minutes.
5. Remove Weld Check™ Penetrant on the surface by wiping with a cloth moistened by Weld Check™ Cleaner & Penetrant Remover.
6. Shake can of CRC Weld Check™ Developer very well and spray a light even coat on the test surface.
7. Allow it to develop for 5 to 15 minutes.
8. Inspect the surface for possible defects.

VIII. Package Description

Part Number	Container Size
03108	16 oz. Aerosol

IX. Disposal

Disposal requirements vary by state and local jurisdiction. All used and unused product should be disposed of in conformance with local, state and federal regulations.

X. Special Use Warnings

Aerosol Cans

Contents extremely flammable. Do not smoke while spraying. Extinguish all flames, pilot lights, and heaters. Do not puncture, incinerate or store above 120°F. Exposure to high temperatures may cause can to burst. Do not place in direct sunlight or near any heat source. Aerosol cans will conduct electricity. Keep away from all live electrical sources including battery terminals, solenoids, electrical panels and other electronic components. Failure to observe this warning may result in serious injury from flash fire and/or electrical shock.

General

Use only in well ventilated area. Ventilation may be improved by opening a window or door or providing mechanical assistance. Vapors will accumulate readily and may ignite. Avoid continuous breathing of vapor and spray mist. Avoid contact with skin and eyes. If ventilation is not adequate, respiratory protection should be worn. For more information regarding short term and long term exposure, review this product's Safety Data Sheet.

DISCLAIMER: This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label. All products should be tested for suitability on a particular application prior to actual use. CRC Industries makes no representations or warranties of any kind concerning this data.