



I. Product Description

CRC Knock'er Loose® Plus is a unique penetrant that immediately drops the temperature of the area in contact with the spray. The freeze shock action cracks rusted surfaces allowing **Knock'er Loose® Plus** to penetrate quicker, reach deeper and work more effectively than other penetrants. **Knock'er Loose® Plus** quickly permeates rust, scale, gum, grease and corrosion with a low surface tension formula that creeps into cracks, seams, threads and joints with greater efficacy than the competition. **Knock'er Loose® Plus** eases the disassembly of plant machinery, tools and equipment for routine maintenance and emergency repairs. Its super penetrating formula outperforms the competition in penetration, speed and corrosion resistance.

II. Applications

Recommended for use on nuts and bolts, pins, screws, bushings, clips, hinges, snaps, lugs, caps, locks, washers and sliding mechanisms.

III. Features & Benefits

- **Freeze Shock Action.** Immediately drops the temperature in contact with the spray.
- **Extreme Penetrating Ability.** Specially formulated to dissolve rust, varnishes, gums and corrosion.
- **VOC Compliant Formula.**
- **Improves Performance and Operating Efficiency.** Loosens rusted and corroded nuts, bolts, couplings, fittings, hinges and frozen components.
- **Corrosion Inhibiting.** Lubricating residue prevents corrosion.
- **Contains No Known Ozone Depleting Chemicals.** Offers effective performance while complying with the EPA regulations on the use of ozone depleting chemicals.

IV. Physical Properties without propellant

Flash Point	126°F TCC	Boiling Point	315°F (initial)
Odor	Pleasant	Solubility	Neg. in water
Appearance	Reddish liquid	Specific Gravity	0.84
Vapor Density	>air	Film Type:	Thin, non-drying
VOC Content (Fed)	184.8 g/L	Propellant	HFC-152a
Sara Title III, Sect. 313 Chemicals	None	VOC %	22.0
Prop 65	No		
HAP's	No		

V. Specifications and Approvals

- NSF Registered #139154 Category Code H2, for use in meat and poultry plants.

VI. Performance Characteristics

Capillary Penetration of Liquids Test (Spread in one minute)	12.5 cm (Q-Panel)
Penetration Test (Distance in 24 hours)	>7.0 cm climbed (Nail)
Water Displacing Properties Test	Passes
ASTM D877-02 (Dielectric Strength)	50,300 volts
KB (Solubility Strength Test)	68

VII. Directions

- Apply liberal coating to corroded surfaces, saturating problem areas.
- Allow oil to seep between joints and surface area.
- Tap joint lightly to aid penetration.
- Proceed with disassembly.
- Repeat application for stubborn spots.
- Do not apply while equipment is energized.

VIII. Package Description

Part Number	Container Size
03027	20 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

Product is flammable. Mixture will burn and should not be used near open flames or other ignition sources.

Aerosol Cans

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. 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 Material Safety Data Sheet.

NSF Nonfood Compounds Registration Program

This CRC product is registered with the NSF for use in meat and poultry plants. NSF International, formerly the National Sanitation Foundation, is known for the development of standards, product testing and certification services in the areas of public health safety and protection of the environment. The NSF Nonfood Compounds Registration Program replaces the program formerly administered by the United States Department of Agriculture (USDA) and discontinued in February 1998. Products eligible for NSF registration include all compounds used in food handling, processing and storage, such as disinfectants and lubricants. The NSF registration assures inspection officials and end users that registered products are safe to use in food processing environments.

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, Inc. makes no representations or warranties of any kind concerning this data.