

MATERIAL SAFETY DATA SHEET

Section 1: Product & Company Identification

Product Name: Cable Clean® RD™
Product Number (s): 02152

Manufactured By: CRC Industries, Inc. (215) 674-4300
885 Louis Drive, Warminster, PA 18974
24-Hour Emergency Information: CHEMTREC (800) 424-9300

Section 2: Composition/Information on Ingredients

| Component | CAS NUMBER | ACGIH TLV | OSHA PEL | OTHER LIMITS | % |
|---------------------|------------|-----------|----------|--------------|-------|
| Tetrachloroethylene | 127-18-4 | 50 ppm | 25 ppm | | 50-99 |
| 1-Bromopropane | 106-94-5 | NA | NA | 100 ppm | 1-5 |

Section 3: Hazards Identification

Emergency Overview

Appearance & Odor: Colorless liquid, strong odor at high concentration.

Danger: Vapor Harmful. Harmful or Fatal if Swallowed.

Potential Health Effects:

Inhalation: Headaches, dizziness anesthesia and unconsciousness.

Eyes: Irritation

Skin: Irritation

Ingestion: NA

Carcinogenicity: OSHA: Yes IARC: Yes NTP: Yes

Chronic Overexposure: Repeated overexposures have caused liver and kidney effects in laboratory animals.

Medical Conditions Aggravated by Exposure: High levels (8000+ ppm) of vapor may cause cardiac arrhythmia.

Section 4: First Aid Measures

Inhalation: Remove to fresh air. Give artificial respiration if necessary.

Eyes: Flush with large amounts of water for 15 minutes.

Skin: Remove contaminated clothing and wash area with soap and water.

Ingestion: Call a physician. Do not induce vomiting.

Section 5: Fire-Fighting Measures

Flashpoint: None Method: TCC, TOC, COC LEL: ND UEL: ND
 Extinguishing Media: Water fog
 Hazardous Combustion Products: Thermal – hydrogen chloride, chlorine and some phosgene.
 Fire-fighting Instructions: Remove containers from fire area if possible. Use self-contained breathing apparatus for fire fighting.

NFPA: Health: 2 Flammability: 0 Reactivity: 0
 HMIS: Health: 2 Flammability: 0 Reactivity: 0 PPE: B

Section 6: Accidental Release Measures

Spill/Leak Procedures: Area should be ventilated. Absorbent should be used to pick up excess material. All used and unused product should be disposed of in accordance with federal, state and local regulations.

Section 7: Handling and Storage

Handling Procedures: Store in a cool, dry area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Adequate to prevent accumulation of vapors. Use mechanical means if necessary to maintain levels below the exposure limits. If working in a confined space, follow applicable OSHA regulations.

Respiratory: Use NIOSH/MSHA compliant respirators or self-contained breathing apparatus above exposure limits. Follow OSHA regulations 29 CFR 1910.134.

Protective Clothing/Equipment: Wear chemically protective gloves and safety glasses. Use a splash apron and boots if splashing occurs.

Section 9: Physical & Chemical Properties

| | | | |
|-------------------|-----------|-------------------------|-------------------------------|
| Physical State: | Liquid | Appearance & Odor: | Colorless liquid, strong odor |
| Specific Gravity: | 1.62@70°F | Boiling Point: | 250°F (initial) |
| Freezing Point: | NA | Vapor Pressure: | ND |
| Evaporation Rate: | Fast | Vapor Density (air = 1) | ND |
| pH: | NA | Solubility: | Negligible in water. |

Volatile Organic Compounds:%: 2.0 g/L: 32.4 lbs./gal: 0.27

Section 10: Stability and Reactivity

Stability: Stable Hazardous Polymerization: No
 Chemical Incompatibilities: Strong oxidizers.
 Materials to Avoid: Avoid storage & contact with aluminum and/or zinc powder.
 Avoid strong acids & oxidizing materials.
 Hazardous Decomposition Products: None

Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. See Section 3 of this MSDS for acute symptoms of overexposure and carcinogenicity information.

Section 12: Ecological Information

Ecotoxicity: No data available.
Environmental Fate: No data available for biodegradation.

Section 13: Disposal Considerations

Disposal: This material if discarded may be hazardous waste under U.S. EPA RCRA regulations. All disposal activities must comply with federal, state and local regulations. Contact your local or state environmental agency for specific rules. Do not dump into sewers, on the ground or into any body of water.

Section 14: Transportation Information

Shipping Name: Consumer Commodity
Hazard Class: ORM-D UN Number: NA Packing Group: NA
Label: NA Placard: NA
Special Provisions: NA

Section 15: Regulatory Information

TSCA: All components are either listed under TSCA or are exempt.
SARA Title III: Section 311/312: Chronic
Section 313*: Tetrachloroethylene
CERCLA/Superfund (RQ): 100 lbs.
Extremely Hazardous Substances: No
California Prop 65: This product contains chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

* See section 2 for percentage

Section 16: Additional Information

Prepared By: Adam M. Selisker Date: October 25, 2002
Technical Information: (800) 521-3168 CRC #: 474B

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.

| | | | |
|------|-------------------------------|-----------|---------------------|
| CAS: | Chemical Abstract Service | NA: | Not Applicable |
| ppm: | Parts per Million | ND: | Not Determined |
| TCC: | Tag Closed Cup | NE: | Not Established |
| LEL: | Lower Explosive Limit | g/L: | grams per Liter |
| UEL: | Upper Explosive Limit | lbs./gal: | pounds per gallon |
| PPE: | Personal Protection Equipment | RQ: | Reportable Quantity |
| COC: | Cleveland Closed Cup | TOC: | Tag Closed Cup |