

\* Material Safety Data Sheet (MSDS)\*

MATERIAL SAFETY DATA SHEET

Section 1: Product & Company Identification

Product Name: CRC Battery Cleaner  
(aerosol)

Product Number (s) 095023

Manufactured By: CRC Industries, Inc.  
885 Louis Dr.

Warminster, PA 18974

CRC: (215)674-4300

Chemtrec 24-Hour Emergency Information: (800)424-9300

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Section 2: Composition/Information on Ingredients

Component CAS ACGIH OSHA OTHER %

NUMBER TLV PEL LIMITS

Sodium Bicarbonate 144-55-8 NE NE NE <10

Water 7732-18-5 NE NE NE >90

2-Butoxy Ethanol 111-76-2 25 ppm 25 ppm (skin) <10

Detergent Mixture NE NE NE <10

Propane 74-98-6 NE 1000ppm NE <10

Isobutane 75-28-5 NE NE 1000ppm <10

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Section 3: Hazards Identification

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Emergency Overview

Appearance & Odor: Clear liquid, no odor.

Caution: Contents Under Pressure

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Potential Health Effects:

Inhalation: NA

Eyes: Irritation

Skin: Irritation

Ingestion: NA

Carcinogenicity: OSHA: No IAARC: No NTP: No

Chronic Overexposure: NA

Medical Conditions Aggravated by Exposure: NA

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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: Induce vomiting on the advice of a physician.

#### Section 5: Fire-Fighting Measures

Flashpoint: <20 deg. F. Method: TCC LEL: ND UEL: ND

Extinguishing Media: CO2, foam

Hazardous Combustion Products: NA

Fire-Fighting Instructions: Remove containers from fire area if possible. Use self-contained breathing apparatus for fire fighting. Aerosol cans may explode if heated above 120 deg F.

NFPA: Health: 1 Flammability: 4 Reactivity: 0

HMIS: Health: 1 Flammability: 4 Reactivity: 0 PPE: B

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#### 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.

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#### Section 7: Handling and Storage

Handling Procedures: Store in a cool, dry area. Aerosol cans must be maintained below 120 deg. F to prevent cans from exploding. NFPA rating of 4 is due to the propellant only.

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#### 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.

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#### Section 9: Physical & Chemical Properties

Physical State: Liquid Appearance & Odor: Clear liquid,

Specific Gravity: 1.04 no odor

Boiling Point: c.a.212 deg. F.

Freezing Point: c.a. 32 deg.F Vapor Pressure: water

Evaporation Rate: NA Vapor density (air=1) ND

pH: NA Solubility: Soluble in water.

Volatile Organic Compounds:%: 3.0 g/l: 30.000 lbs./gal: 0.250

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Section 10: Stability and Reactivity

Stability: Stable  
Hazardous Polymerization: No  
Chemical Incompatibilities: Strong oxidizers  
Materials to Avoid: NA  
Hazardous Decomposition Products: None

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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 over-exposure and carcinogenicity information.

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Section 12: Ecological Information

Ecotoxicity: No data available  
Environmental Fate: No data available for biogradation

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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.

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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

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Section 15: Regulatory Information

TSCA: All components are either listed under TSCA or are exempt.  
SARA Title III: Section 311/312: Acute, Pressure  
Section 313\*: 2-Butoxy Ethanol  
CERCLA/Superfund (RQ): NA  
Extremely Hazardous Substances: NO  
California Prop 65: NO  
\*See section 2 for percentage

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Section 16: Additional Information

Prepared By: Adam M. Selisker Date: December 21, 1999  
Technical Information: (800)521-3168 CRC: 530A  
This information is accurate to the best 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 Exposure Limit g/L: grams per Liter  
UEL: Upper Exposure Limit lbs./gal: pounds per gallon  
PPE: Personal Protection Equipment RQ: Reportable Quantity  
COC: Cleveland Closed Cup