

SVC 200 - P/N 5023



# MATERIAL SAFETY DATA SHEET

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## Section 1: Product & Company Identification

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Product Name: Battery Cleaner with Indicator

Product Number (s): 05023, 75097

Product Use: Battery Cleaner

### Manufacturer / Supplier Contact Information:

In United States:

CRC Industries, Inc.

885 Louis Drive

Warminster, PA 18974

[www.crcindustries.com](http://www.crcindustries.com)

1-215-674-4300(General)

(800) 521-3168 (Technical)

(800) 272-4620 (Customer Service)

In Canada:

CRC Canada Co.

2-1246 Lorimar Drive

Mississauga, Ontario L5S 1R2

[www.crc-canada.ca](http://www.crc-canada.ca)

1-905-670-2291

In Mexico:

CRC Industries Mexico

Av. Benito Juárez 4055 G

Colonia Orquídea

San Luis Potosí, SLP CP 78394

[www.crc-mexico.com](http://www.crc-mexico.com)

52-444-824-1666

24-Hr Emergency – CHEMTREC: (800) 424-9300 or (703) 527-3887

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## Section 2: Hazards Identification

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### Emergency Overview

**CAUTION:** Contents Under Pressure.

As defined by OSHA's Hazard Communication Standard, this product is hazardous.

Appearance & Odor: Yellow foam, no odor

### Potential Health Effects:

#### ACUTE EFFECTS:

EYE: May cause mild irritation including redness and burning.

SKIN: Prolonged or repeated contact can cause irritation and defatting of the skin.

INHALATION: Inhalation of a small amount is not expected to cause health effects. Prolonged exposure may cause dizziness or throat irritation.

INGESTION: Ingestion of a small amount is not expected to cause health effects. Ingestion of a larger amount may cause irritation to gastrointestinal tract.

CHRONIC EFFECTS: None known

TARGET ORGANS: None known

Medical Conditions Aggravated by Exposure: Pre-existing skin or eye disorders

See Section 11 for toxicology and carcinogenicity information on product ingredients.

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### Section 3: Composition/Information on Ingredients

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| COMPONENT               | CAS NUMBER                  | % by Wt. |
|-------------------------|-----------------------------|----------|
| Water                   | 7732-18-5                   | 80 - 90  |
| 2-Butoxyethanol         | 111-76-2                    | 2.9      |
| Sodium bicarbonate      | 144-55-8                    | 5 - 10   |
| Detergent               | 127087-87-0 /<br>68412-54-4 | < 0.5    |
| Liquefied Petroleum Gas | 68476-86-8                  | 3 - 8    |

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### Section 4: First Aid Measures

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- Eye Contact: Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.
- Skin Contact: Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.
- Inhalation: Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.
- Ingestion: Do not induce vomiting. Call physician.

*Note to Physicians:* This product contains 2-Butoxyethanol which, if ingested in significant quantities, may result in red blood cell hemolysis.

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### Section 5: Fire-Fighting Measures

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**Flammable Properties:** This product is non-flammable in accordance with aerosol flammability definitions. (See 16 CFR 1500.3(c)(6) ).

|                                |                           |
|--------------------------------|---------------------------|
| Flash Point: None              | Upper Explosive Limit: ND |
| Autoignition Temperature: None | Lower Explosive Limit: ND |

#### **Fire and Explosion Data:**

Suitable Extinguishing Media: Use extinguishing agents appropriate for surrounding fire.

Products of Combustion: None

Explosion Hazards: Aerosol containers, when exposed to heat from fire, may build pressure and explode.

Protection of Fire-Fighters: Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

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### Section 6: Accidental Release Measures

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Personal Precautions: Use personal protection recommended in Section 8.

Environmental Precautions: Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains.

Methods for Containment & Clean-up: Dike area to contain spill. Ventilate the area with fresh air. If in confined space or limited air circulation area, clean-up workers should wear appropriate respiratory protection. Recover or absorb spilled material using an absorbent designed for chemical spills. Place used absorbents into proper waste containers.

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## Section 7: Handling and Storage

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Handling Procedures: Use with adequate ventilation. Avoid contact with skin and eyes. Wash hands after use. Do not expose aerosol containers to heat or flame. Do not incinerate container. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. For product use instructions, please see the product label.

Storage Procedures: Store in a cool dry area out of direct sunlight. Aerosol cans must be maintained below 120 F to prevent cans from rupturing.

Aerosol Storage Level: I

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## Section 8: Exposure Controls/Personal Protection

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**Exposure Guidelines:**

| COMPONENT  | OSHA   |      | ACGIH |      | OTHER |        | UNIT |
|--|--------|------|-------|------|-------|--------|------|
|  | TWA    | STEL | TWA   | STEL | TWA   | SOURCE |      |
| Water  | NE     | NE   | NE    | NE   | NE    |        |      |
| 2-Butoxyethanol  | 50 (s) | NE   | 20    | NE   | NE    |        | ppm  |
| Sodium bicarbonate   | NE     | NE   | NE    | NE   | NE    |        |      |
| Detergent  | NE     | NE   | NE    | NE   | NE    |        |      |
| Liquefied Petroleum Gas  | 1000   | NE   | 1000  | NE   | NE    |        | ppm  |
| N.E. – Not Established      (c) – ceiling      (s) – skin      (v) – vacated |        |      |       |      |       |        |      |

**Controls and Protection:**

Engineering Controls: Area should have ventilation to provide fresh air. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at the source, preventing dispersion into the general work area. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations.

Respiratory Protection: None required for normal work where adequate ventilation is provided. Air monitoring is needed to determine actual employee exposure levels. Use a NIOSH-approved self-contained breathing apparatus in confined spaces and for emergencies.

Eye/face Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

Skin Protection: Use protective gloves such as nitrile. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

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## Section 9: Physical and Chemical Properties

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Physical State: liquid  
Color: yellow foamy

**Product Name: Battery Cleaner with Indicator**

**Product Number (s): 05023, 75097**

Odor: no odor  
Odor Threshold: ND  
Specific Gravity: 1.04  
Initial Boiling Point: ~ 212°F  
Freezing Point: ~ 32°F  
Vapor Pressure: ND  
Vapor Density: > 1 (air = 1)  
Evaporation Rate: slow  
Solubility: soluble in water  
Coefficient of water/oil distribution: ND  
pH: 8.5  
Volatile Organic Compounds: wt %: 7.9 g/L: 82.16 lbs./gal: 0.68

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## Section 10: Stability and Reactivity

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Stability: Stable

Conditions to Avoid: Keep away from heat, direct sunlight, open flames or sparks. Dropping of containers may cause bursting.

Incompatible Materials: Strong oxidizers

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide

Possibility of Hazardous Reactions: No

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## Section 11: Toxicological Information

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Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

### Acute Toxicity:

| <u>Component</u>        | <u>Oral LD50 (rat)</u> | <u>Dermal LD50 (rabbit)</u> | <u>Inhalation LC50 (rat)</u> |
|-------------------------|------------------------|-----------------------------|------------------------------|
| Water                   | > 90 mL/kg             | No data                     | No data                      |
| 2-Butoxyethanol         | 470 mg/kg              | 220 mg/kg                   | 450 ppm/4H                   |
| Sodium bicarbonate      | 4220 mg/kg             | No data                     | No data                      |
| Detergent               | 3000 mg/kg             | 4400 mg/kg                  | No data                      |
| Liquefied Petroleum Gas | No data                | No data                     | No data                      |

### Chronic Toxicity:

| <u>Component</u>        | <u>OSHA Carcinogen</u> | <u>IARC Carcinogen</u> | <u>NTP Carcinogen</u> | <u>Irritant</u>                        | <u>Sensitizer</u> |
|-------------------------|------------------------|------------------------|-----------------------|--|-------------------|
| Water                   | No                     | No                     | No                    | No                                     | No                |
| 2-Butoxyethanol         | No                     | No                     | No                    | E (severe) /<br>S (mild) /<br>R (mild) | No                |
| Sodium bicarbonate      | No                     | No                     | No                    | None                                   | No                |
| Detergent               | No                     | No                     | No                    | E (severe) /<br>S (mild)               | No                |
| Liquefied Petroleum Gas | No                     | No                     | No                    | No                                     | No                |

E – Eye      S – Skin      R - Respiratory

Reproductive Toxicity: No information available  
Teratogenicity: No information available  
Mutagenicity: No information available  
Synergistic Effects: No information available

