

# MATERIAL SAFETY DATA SHEET

## Section 1: Product & Company Identification

**Product Name:** Heavy Duty Degreaser Bulk  
**Product Number (s):** 03096, 03097, 03098

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

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## Section 2: Composition/Information on Ingredients

Component	CAS NUMBER	ACGIH TLV	OSHA PEL	OTHER LIMITS	%
Trichloroethylene	79-01-6	50 ppm	50 ppm	NE	> 99
1,2 Butylene Oxide	106-88-7	NE	NE	NE	< 1

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## Section 3: Hazards Identification

### Emergency Overview

Appearance & Odor: Colorless liquid, irritating odor at high concentrations.

Warning: Vapor Harmful.

### Potential Health Effects:

Inhalation: Headaches, dizziness, anesthesia, and unconsciousness.

Eyes: Irritation

Skin: Irritation

Ingestion: NA

Carcinogenicity: OSHA: No IARC: Yes NTP: No

Chronic Overexposure: Repeated overexposure may cause liver and kidney effects and dermatitis.

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

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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: Call a physician. Do not induce vomiting.

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**Section 5: Fire-Fighting Measures**

Flashpoint: None Method: TCC, COC, TOC LEL: 7.8 UEL: 44  
 Extinguishing Media: Water fog  
 Hazardous Combustion Products: Thermal - hydrogen chloride, chlorine, and phosgene  
 Fire-fighting Instructions: Remove containers from fire area if possible. Use self-contained breathing apparatus for fire fighting.  
 NFPA: Health: 2 Flammability: 1 Reactivity: 0  
 HMIS: Health: 2 Flammability: 1 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, irritating odor at high concentrations
Specific Gravity:	1.46@70 °F	Boiling Point:	187°F
Freezing Point:	ND	Vapor Pressure:	57.8 mm @ 20 °F
Evaporation Rate:	fast	Vapor Density (air = 1)	4.54
pH:	NA	Solubility:	None in water
Volatile Organic Compounds %:	100	g/L:	1460 lbs./gal: 12.18

**Section 10: Stability and Reactivity**

Stability: Stable Hazardous Polymerization: No  
 Chemical Incompatibilities: Strong oxidizers.  
 Materials to Avoid: Avoid storing in aluminum containers or contact with aluminum powder or zinc powder.  
 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.

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**Section 12: Ecological Information**

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

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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**

Part Number:	03096	Shipping Name:	Consumer Commodity
Hazard Class:	ORM-D	UN Number:	NA
Label:	NA	Placard:	NA
Part Number:	03097	Shipping Name:	Trichloroethylene Solution
Hazard Class:	6.1	UN Number:	1710
Label:	NA	Placard:	NA
Part Number:	03098	Shipping Name:	Trichloroethylene Solution
Hazard Class:	6.1	UN Number:	1710
Label:	NA	Placard:	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: Chronic  
Section 313\*: Trichloroethylene  
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

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**Section 16: Additional Information**

Prepared By: Adam M. Selisker      Date: March 21, 2002  
Technical Information: (800) 521-3168      CRC #: 458

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  
ppm: Parts per Million  
TCC: Tag Closed Cup  
LEL: Lower Explosive Limit  
UEL: Upper Explosive Limit  
PPE: Personal Protection Equipment  
COC: Cleveland Open Cup

NA: Not Applicable  
ND: Not Determined  
NE: Not Established  
g/L: grams per Liter  
lbs./gal: pounds per gallon  
RQ: Reportable Quantity  
TOC: Tag Open Cup