

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

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

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.

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, 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.

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

Part Number:	03096	Shipping Name:	Consumer Commodity
Hazard Class:	ORM-D	UN Number:	NA
Label:	NA	Placard:	NA
			Packing Group: NA
			Special Provisions: NA
Part Number:	03097	Shipping Name:	Trichloroethylene Solution
Hazard Class:	6.1	UN Number:	1710
Label:	NA	Placard:	NA
			Packing Group: III
			Special Provisions: NA
Part Number:	03098	Shipping Name:	Trichloroethylene Solution
Hazard Class:	6.1	UN Number:	1710
Label:	NA	Placard:	NA
			Packing Group: III
			Special Provisions: RQ

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

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