

# MATERIAL SAFETY DATA SHEET

## Section 1: Product & Company Identification

**Product Name:** CRC Anti-Freeze Booster™  
**Product Number (s):** 05672

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	%
Monoethanolamine	141-43-5	3 ppm	3 ppm	3 ppm	< 20
Water	7732-18-5	NE	NE	NE	> 80

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## Section 3: Hazards Identification

### Emergency Overview

Appearance & Odor: Amber solution, ammonical.

Danger: Eye and skin irritant. May be harmful if swallowed.

### Potential Health Effects:

Inhalation: Under misting conditions may irritate mucous membranes.  
Eyes: NA  
Skin: Irritation and dryness.  
Ingestion: NA

Carcinogenicity: OSHA: No IARC: No NTP: No  
Chronic Overexposure: Dermatitis  
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: Call a physician. Do not induce vomiting.

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**Section 5: Fire-Fighting Measures**

Flashpoint: None Method: ND LEL: ND UEL: ND  
 Extinguishing Media: None  
 Hazardous Combustion Products: None  
 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:	Amber colored liquid.
Specific Gravity:	1.06	Boiling Point:	212 °F
Freezing Point:	ND	Vapor Pressure:	ND
Evaporation Rate:	Same as water	Vapor Density (air = 1)	ND
pH:	10.0	Solubility:	Soluble in water.

Volatile Organic Compounds:%: 0 g/L: 0 lbs./gal: 0

**Section 10: Stability and Reactivity**

Stability: Stable Hazardous Polymerization: No  
 Chemical Incompatibilities: Strong oxidizers.  
 Materials to Avoid: Neutralized by acids.  
 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: NA Section 313\*: None  
 CERCLA/Superfund (RQ): NA  
 Extremely Hazardous Substances: No  
 California Prop 65: No

\* See section 2 for percentage

**Section 16: Additional Information**

Prepared By: Adam M. Selisker Date: April 28, 2003  
 Technical Information: (800) 521-3168 CRC #: 642A  
 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 Open Cup