

MATERIAL SAFETY DATA SHEET

Section 1: Product & Company Identification

Product Name: Cable Clean®NT™ (Aerosol)
Formula Number (s): 02040

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	%
COzol® 201	Proprietary blend	200 ppm	NE	NE	0-95
Methyl Nonafluorobutyl Ether	163702-07-6	NE	NE	750 ppm	0-50
Methyl Nonafluoroisobutyl Ether	163702-08-7	NE	NE	750 ppm	0-50
Decafluoropentane	138495-42-8	NE	NE	200 ppm	0-50
COzol® 202	Proprietary blend	200 ppm	400 ppm	NE	0-15
COzol® 103	Proprietary blend	200 ppm	NE	NE	0-60
Carbon Dioxide	124-38-9	5000 ppm	5000 ppm	5000 ppm	2-6

Section 3: Hazards Identification

Emergency Overview

Appearance & Odor: Clear, colorless liquid with a faint ethereal odor.

Warning: Vapor Harmful. May cause eye irritation. Contents Under Pressure.

Potential Health Effects:

Inhalation: Headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.
Eyes: Irritation
Skin: Moderate irritation: redness, swelling, itching, and dryness
Ingestion: Central Nervous System Depression: headache, dizziness, drowsiness, muscular weakness, incoordination, slowed reaction time, fatigue, blurred vision, slurred Speech, giddiness, tremors and convulsions.

Carcinogenicity: OSHA: No IARC: No NTP: No
Chronic Overexposure: Skin irritation on repeated contact.
Medical Conditions Aggravated by Exposure: Not Determined

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. Give victim 2 glasses of water.

Section 5: Fire-Fighting Measures

Flashpoint: None Method: TCC LEL: N/D UEL: N/D
Extinguishing Media: Water fog, CO₂ and dry chemical
Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide, Hydrogen Fluoride, Perfluoroisobutylene (PFIB).
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°F.
NFPA: Health: 2 Flammability: 1 Reactivity: 0
HMIS: Health: 2 Flammability: 1 Reactivity: 0 PPE: B

Section 6: Accidental Release Measures

Spill/Leak Procedures: Usually not a problem with aerosols. 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 below 100 F (38 C). Aerosol cans must be maintained below 120°F to prevent cans from exploding.

Aerosol Level: I

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:	Clear, colorless liquid with a faint ethereal odor
Specific Gravity:	1.25 – 1.33@70°F	Boiling Point:	99°F (38°C)
Freezing Point:	ND	Vapor Pressure:	ND
Evaporation Rate:	Fast	Vapor Density (air = 1)	ND
pH:	NA	Solubility:	Slight in water

Volatile Organic Compounds %:	57.4	g/L:	694	lbs./gal:	5.98
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Section 10: Stability and Reactivity

Stability:	Stable	Hazardous Polymerization:	No
Chemical Incompatibilities:	Strong bases, strong acids, strong oxidizing agents.		
Conditions to Avoid:	ND		
Hazardous Decomposition Products:	Carbon Dioxide, Carbon Monoxide, Hydrogen Fluoride, Perfluoroisobutylene (PFIB), Hydrogen Chloride		

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: Incinerate in an industrial or commercial facility in the presence of a combustible material. Combustion products will include HF and HCl. Always follow all applicable federal, state and local regulations pertaining to waste classification and disposal.

Section 14: Transportation Information

Shipping Name:	Consumer Commodity		
Hazard Class:	ORM-D	UN Number:	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:	Acute, Chronic
	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: Michelle Rudnick Date: May 26, 2006
Technical Information: (800) 521-3168 CRC #: 657 - 657B

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