



HMIS RATINGS:  
Health: 2  
Flammability: 3  
Reactivity: 0  
Personal Protection: G

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**Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Trade Name: DEEP FREEZE - FREEZER CLEANER  
Chemical Family: Alcohol Solution  
Company Identification: ABC COMPOUNDING CO., INC.  
P.O. BOX 16247  
ATLANTA, GA

Emergency Telephone Number: (800)535-5053  
Date Prepared: NOV 6, 2003  
MSDS Number: LA-221  
MFGD. BY: ABC Compounding Co., Inc.  
6970 Jonesboro Rd.  
Morrow, Ga. 30260

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**Section 2: COMPOSITION, INFORMATION ON INGREDIENTS**

CAS NUMBER	CHEMICAL NAME	% BY WGHT.	OSHA PEL/ ACGIH TLV	SARA 302/304(1)*	SARA 313 (2)*	STATE INFO(3)(4)	CERCLA RQ
67-63-0	Isopropanol	< 28.0	400 ppm / 400 ppm	NO	NO	NO	
67-56-1	Methanol	< 40.0	200 ppm / 200 ppm	NO	YES	YES(4)	5000 lbs
111-76-2	2-Butoxyethanol	< 2.0	25ppm-skin 25ppm-skin	NO	YES	NO	

\* See Section 15 for more information

n/e = none established - n/a = not applicable

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**Section 3: HAZARDS IDENTIFICATION**

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**EMERGENCY OVERVIEW**

DANGER. POISON. Flammable. Vapor harmful. Can cause nervous system depression. Keep away from heat and flame. May be harmful or fatal if swallowed. If ingested, may cause visual system damage. Clear, colorless liquid with alcohol odor.

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Primary Route of Entry: Eye contact, skin contact, inhalation

Acute/Potential Health Effects:

EYES: Causes irritation, experienced as stinging discomfort, pain, tearing or redness. Corneal injury may occur.

SKIN: May cause minor irritation with itching and possible slight local redness. Prolonged or repeated contact may cause defatting and drying of the skin.

INHALATION: Vapor may cause irritation of the respiratory tract. Avoid inhalation of concentrated vapors.

INGESTION: May be harmful or fatal if swallowed. Ingestion may cause dizziness, faintness, drowsiness, decreased awareness and responsiveness, lack of coordination, abdominal discomfort, nausea, vomiting and diarrhea. May cause visual system damage progressing from blurred vision to complete blindness.

**Section 3: HAZARDS IDENTIFICATION - continued:**

**Chronic / Long Term Effects:** Repeated or prolonged exposure to isopropanol can be irritating to mucosal membranes.

**Signs and Symptoms of Overexposure:** Prolonged or repeated skin exposure may cause defatting of skin. Overexposure by inhalation may cause headache, nausea, dizziness and even loss of consciousness.

**Target Organ Effects:** Overexposure to methanol has been shown to cause damage to organs including liver, kidneys, pancreas, heart, lungs and brain.

**Reproductive/Developmental Information:** Methanol has caused birth defects in laboratory animals, but only when inhaled at extremely high vapor concentrations. The relevance of this finding to humans is uncertain.

**Carcinogenic Information:** This material is not listed as a carcinogen by IARC, NTP or OSHA.

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**Section 4: FIRST AID MEASURES**

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

**SKIN:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation persists.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**INGESTION:** Seek medical attention immediately. Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Never give anything by mouth to an unconscious person.

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**Section 5: FIRE FIGHTING MEASURES**

**Flash Point:** 70 degrees F (T.O.C. Method)

**Extinguishing Media:** Dry chemical, CO<sub>2</sub>, foam or water spray is recommended.

**Special Fire Fighting Instructions:** Wear a self contained breathing apparatus with a full face piece operated in the positive pressure demand mode. Chemical resistant PPE is recommended.

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**Section 6: ACCIDENTAL RELEASE MEASURES**

Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Absorb spill with inert material (e.g. dry sand, earth). Eliminate all ignition sources. Prevent runoff from entering drains, sewers, streams or other bodies of water. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

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**Section 7: HANDLING AND STORAGE**

Follow all MSDS/label precautions even after container is emptied because they may contain product residues. Use with adequate ventilation. Do not get in eyes, on skin or clothing. Store in a cool, dry place. Keep container closed when not in use. Keep out of reach of children.

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**Section 8: EXPOSURE CONTROLS and PERSONAL PROTECTION**

**Eye Protection:** Wear safety glasses with side shields or goggles.

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Skin Protection: To prevent repeated or prolonged contact, wear impervious gloves (made from rubber, nitrile or neoprene), clothing and boots.

Respiratory Protection: When respiratory protection is required, use an organic vapor cartridge. A respiratory program that meets OSHA's 29 CFR 1910.34 & ANSI Z88.2 requirements must be followed.

Engineering Controls: Good general ventilation required.

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#### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Clear, colorless liquid with alcohol odor  
pH Concentrate: 9.5  
Solubility in Water: Complete  
Vapor Pressure [mmHg]: n/e  
Evaporation Rate (Butyl Acetate=1): n/e  
Vapor Density [Air=1]: n/e  
Specific Gravity [H2O=1]: 0.88  
Boiling Point: > 212 F

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#### Section 10: REACTIVITY

Stability: Stable  
Hazardous Polymerization: Will not occur  
Conditions to avoid: High temperature  
Hazardous Decomposition Products: CO, CO2  
Incompatibility: Oxidizing agents, acids, aluminum, magnesium and halogens

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#### Section 11: TOXICOLOGICAL INFORMATION

Isopropanol: SKIN-Rabbit; 24 hr uncovered-no irritation. EYE-Rabbit; 0.02ml-moderate corneal injury.  
2-Butoxyethanol: SKIN-Rabbit; 24 hr uncovered-minimal erythema in 2/5; no irritation 3/5

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#### Section 12: ECOLOGICAL INFORMATION

Isopropanol: Toxicity to micro-organisms-bacterial inhibition; IC50 Results: 5000 mg/l.  
Toxicity to fish- fathead minnow; 96h; LC50 Results: 8300 mg/l.  
2-Butoxyethanol: Toxicity to fish-Fathead Minnow; 96h; LC50 Results: 1700 mg/l.

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#### Section 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

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#### Section 14: TRANSPORTATION INFORMATION

D.O.T. Shipping Name / Class:

Flammable Liquid, N.O.S., 3, UN 1993, II  
(Contains Isopropanol and Methanol)

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#### Section 15: REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA (Toxic Substances Control Act): The intentional ingredients of product are listed.

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Title III Section 311/312 Hazardous Categories - 40 CFR 370.2:

ACUTE (X) Chronic (X) Fire (X) Pressure ( ) Reactive ( ) Not Applicable ( )

(1) Title III Section 302/304 Extremely Hazardous Substances - 40 CFR 355 Appendix A

(2) Title III Section 313 Toxic Chemicals - 40 CFR 372.65

If indicated under Section 2 of this MSDS, this product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right to Know Act of 1986. This information must be included in all MSDS that are copied and distributed for this material.

RCRA Status: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. If this product becomes a hazardous waste it would be assigned RCRA Code(s)  
D001

State and Local Regulations: Certain states maintain their own ingredient lists which differ slightly from the Federal standards. If indicated under Section 2 of this MSDS, states listed below may have regulations on ingredients contained in this product. Check with your state for any additional regulations.

(3) California proposition 65 (Safe Drinking Water &amp; Toxic Enforcement Act of 1986)

(4) Massachusetts (Hazardous Substance Disclosure by Employers)

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Section 16: OTHER INFORMATION

This information was compiled from current manufacturer's MSDS's of the component parts of the product.

Disclaimer: The Manufacturer believes that the information contained in the Material Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.