

**MATERIAL SAFETY DATA SHEET**

May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements

**U.S. DEPARTMENT OF LABOR**

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

IDENTITY (As Used on Label and List)

BRADY FREEZER CLEAN

**SECTION I**

Distributor's Name

BRADY INDUSTRIES, INC.

Emergency Telephone Number

(800) 424-9300

Address (Number, Street, City, State & ZIP Code) Telephone Number for Information  
4175 SOUTH ARVILLE (702) 876-3990

LAS VEGAS, NEVADA 89103

Date Prepared

7/10/02 Supersedes 3/23/01

Signature of Preparer (optional)

**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Recommended Other Limits	% (optional)
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2 BUTOXYETHANOL	CAS #111-76-2	25PPM (SKIN)		<5%
ISOPROPANOL	CAS #67-63-0		400PPM	<5%
1, 2-ETHANEDIOL	CAS #107-21-1			<75%

**HAZARD RATING:****4-EXTREME****3-HIGH****2-MODERATE****1-SLIGHT****0-INSIGNIFICANT****HEALTH = 2****FIRE = 1****REACTIVITY = 0****SPECIFIC HAZARDS = N/A****DOT CLASS: OTHER REGULATED SUBSTANCES, LIQUID, N.O.S.  
9, NA3082, PGIII****SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point

220°F

Specific Gravity (H2O = 1)

1.03

Vapor Pressure (mm Hg)

NOT TESTED

Melting Point

N/A

Vapor Density

NOT TESTED

Evaporation Rate (Butyl Acetate = 1)

1.2

Solubility in Water

COMPLETELY SOLUBLE

pH

6.5 - 8.5

Appearance and Odor

CLEAR MEDIUM BLUE LIQUID WITH MILD CHEMICAL ODOR.

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

Flash Point (Method Used)

230°F

Flammable Limits

N/A

LEL

UEL

Extinguishing Media

CO<sub>2</sub>, DRY POWDER OR FOAM

Special Fire Fighting Procedures

USE SELF-CONTAINED BREATHING EQUIPMENT

Unusual Fire and Explosion Hazards

WHEN STRONGLY HEATED IN A FIRE, SOLVENTS WILL EVAPORATE AND BURN TO PRODUCE CARBON MONOXIDE AND CARBON DIOXIDE GASES.

(Reproduce locally)

OSHA 174, Sept. 1985

**SECTION V - REACTIVITY DATA**

<b>Stability</b>	Unstable	Conditions to Avoid	
	Stable	xxx	AVOID HEAT AND POWERFUL OXIDIZING AGENTS

Incompatibility (Materials to Avoid)

POWERFUL OXIDIZERS.

Hazardous Decomposition or Byproducts

<b>Hazardous</b>	May Occur	Conditions to Avoid	
<b>Polymerization</b>	Will Not Occur	xxx	NONE

## SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	POSSIBLE	POSSIBLE	POSSIBLE

Health Hazards (Acute and Chronic)

NON-CORROSIVE MATERIAL. MAY CAUSE MILD IRRITATION OF SKIN. IRRITATION WOULD BE MORE SEVERE FOR EYES OR IF INGESTED INTO THE DIGESTIVE SYSTEM.

Emergency and First Aid Procedures

EYES: RINSE WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, CONTACT A PHYSICIAN.

INGESTION: INDUCE VOMITING. SEEK MEDICAL ATTENTION.

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled

SMALL SPILL: FLUSH WITH WATER TO INDUSTRIAL SEWER.

LARGE SPILL: CONTAIN WITH DIKES OF ABSORBENT MATERIAL. (SAND, CLAY OR VERMICULITE) PLACE IN SALVAGE CONTAINERS FOR DISPOSAL.

Waste Disposal Method

CONTACT STATE OR LOCAL AUTHORITIES FOR DETAILS

Precautions to Be Taken in Handling and Storing

STORE IN A COOL, WELL VENTILATED AREA. DO NOT STORE NEAR HEAT OR OPEN FLAME.

Other Precautions

KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN.

## SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type)

NONE

<b>Ventilation</b>	Local Exhaust	Special
	IF AVAILABLE	NONE
	Mechanical (General)	Other
		NONE

Protective Gloves	Eye Protection
RUBBER OR PLASTIC	GLASSES, GOGGLES, OR FACE SHIELD

Other Protective Clothing or Equipment  
NONE

Work/Hygienic Practices

USE CARE AND COMMON SENSE.