

**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

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IDENTITY (As Used on Label and List)

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BIO-SOL CONCENTRATE

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**SECTION I**

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Distributed by:	Emergency Telephone Number
BRADY INDUSTRIES, INC.	(800) 424-9300
Address (Number, Street, City, State & ZIP Code)	Telephone Number for Information
4175 SOUTH ARVILLE	(702) 876-3990
	Date Prepared
LAS VEGAS, NEVADA 89103	7/10/2002 Supercedes 2/15/2001
	Signature of Preparer (optional)

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

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Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Recommended % (optional)
			Other Limits

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ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	5%
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ALKYL DIMETHYL ETHYLBENZYL AMMONIUM CHLORIDE	5%
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DOT CLASS: NON HAZARDOUS	HEALTH RATING:	HEALTH	1
	4-EXTREME	FIRE	0
	3-HIGH	REACTIVITY	0
	2-MODERATE	SPECIFIC HAZARDS	N/A
	1-SLIGHT		
	0-INSIGNIFICANT		

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**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

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Boiling Point	Specific Gravity (H2O = 1)
	1.01
Vapor Pressure (mm Hg)	Melting Point
Vapor Density	Evaporation Rate (Butyl Acetate = 1)
Solubility in Water	pH
COMPLETELY IN WATER	7.0 - 7.5
Appearance and Odor	

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CLEAR DARK BLUE LIQUID.

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

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Flash Point (Method Used)	Flammable Limits	LEL	UEL
N/A			
Extinguishing Media			
N/A			
Special Fire Fighting Procedures			
N/A			
Unusual Fire and Explosion Hazards			
NONE			

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(Reproduce locally)

OSHA 174, Sept. 1985

**SECTION V - REACTIVITY DATA**

<b>Stability</b>	Unstable	Conditions to Avoid
	Stable	XXX N/A

Incompatibility (Materials to Avoid)

**STRONG OXIDANTS, GENERAL CHEMICAL CONTAMINATION**

Hazardous Decomposition or Byproducts

**CARBON MONOXIDE**

<b>Hazardous</b>	May Occur	Conditions to Avoid
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**Polymerization**

Will Not Occur	XXX
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**SECTION VI - HEALTH HAZARD DATA**

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
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YES	YES
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Health Hazards (Acute and Chronic)

**N/A**

Emergency and First Aid Procedures

EYE & SKIN: FLUSH AREA WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

INGESTION: HARMFUL IF SWALLOWED. IF SWALLOWED, DRINK PROMPTLY A LARGE QUANTITY OF MILK, RAW EGG WHITES, GELATIN SOLUTION OR IF THESE ARE NOT AVAILABLE, WATER.  
AVOID ALCOHOL. SEEK IMMEDIATE MEDICAL ATTENTION.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

Steps to Be Taken in Case Material is Released or Spilled

**SMALL SPILLS:** FLUSH TO SEWER WITH WATER.**LARGE SPILLS:** SOAK ON TO ABSORBENT MATERIAL SUCH AS CLAY OR SAWDUST AND PLACE IN PLASTIC CONTAINER FOR DISPOSAL.

Waste Disposal Method

**INCINERATION OR SANITARY LANDFILL. FOLLOW ALL STATE, FEDERAL AND LOCAL CHEMICAL WASTE DISPOSAL REGULATIONS.**

Precautions to Be Taken in Handling and Storing

**KEEP OUT OF REACH OF CHILDREN.**

Other Precautions

**READ AND FOLLOW ALL LABEL DIRECTIONS AND PRECAUTIONS. AVOID SKIN AND EYE CONTACT. AVOID CONTAMINATION OF FOOD OR FEED. DO NOT DISCHARGE INTO LAKES, STREAMS OR PUBLIC WATER.****SECTION VII - CONTROL MEASURES**

Respiratory Protection (Specify Type)

**NONE**

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

Protective Gloves

Eye Protection

**REQUIRED****REQUIRED**

Other Protective Clothing or Equipment

Work/Hygienic Practices