

**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 EMULSION BOWL CLEANER

**SECTION I**

Distributed by:

BRADY INDUSTRIES, INC.

Emergency Telephone Number

(800) 424-9300

Address (Number, Street, City, State &amp; ZIP Code) Telephone Number for Information

4175 S. ARVILL<sup>E</sup>

(800) 533-8151

LAS VEGAS, NV

Date Prepared

1/28/2003 Supercedes 8/05/2002

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)
HYDROCHLORIC ACID CAS #7647-01-0	5PPM	5PPM	NONE	<30%
DOT CLASS: HYDROCHLORIC ACID SOLUTION				
8, UN #1789, PGII				

**HAZARD RATING:****4-EXTREME****3-HIGH****2-MODERATE****1-SLIGHT****0-INSIGNIFICANT****HEALTH = 2****FIRE = 0****REACTIVITY = 1****SPECIFIC HAZARDS = ACID****SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point	214°F	Specific Gravity (H2O = 1)	1.049
Vapor Pressure (mm Hg)	NOT TESTED	Melting Point	20°F
Vapor Density	NOT TESTED	Evaporation Rate (Butyl Acetate = 1)	NOT TESTED
Solubility in Water	COMPLETELY SOLUBLE	pH	0.0

Appearance and Odor

WHITE OPACIFIED LIQUID WITH AN ACIDIC ODOR

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

Flash Point (Method Used)	Flammable Limits	LEL	UEL
NOT FLAMMABLE	N/A	N/A	N/A

Extinguishing Media

USE MEDIA APPROPRIATE FOR THE SURROUNDING FIRE.

Special Fire Fighting Procedures

USE SELF-CONTAINED BREATHING EQUIPMENT AND COVER ALL EXPOSED SKIN

Unusual Fire and Explosion Hazards

EXCESSIVE HEAT CAN PRODUCE HIGHLY CORROSIVE HYDROGEN CHLORIDE FUMES

(Reproduce locally)

OSHA 174, Sept. 1985

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**SECTION V - REACTIVITY DATA****Stability**

Unstable

Conditions to Avoid

Stable

xxx

HEAT AND STRONG ALKALI

Incompatibility (Materials to Avoid)

CAUSTIC ALKALIS SUCH AS CAUSTIC SODA, CAUSTIC POTASH, AND SULFIDES AND CYANIDES

Hazardous Decomposition or Byproducts  
MAY LIBERATE HYDROGEN CHLORIDE FUMES

**Hazardous** May Occur Conditions to Avoid

**Polymerization**  
Will Not Occur XXX NONE

## SECTION VI - HEALTH HAZARD DATA

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

Health Hazards (Acute and Chronic)

THIS IS A STRONGLY ACIDIC PRODUCT AND IS EXTREMELY CORROSIVE TO TISSUE, PARTICULARLY INHALATION OF THE VAPOR.

Emergency and First Aid Procedures

EYES: FLUSH WITH WATER FOR 15 MINUTES AND GET IMMEDIATE MEDICAL ATTENTION.

SKIN: WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

INHALATION: MOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF REQUIRED. GET IMMEDIATE MEDICAL ATTENTION.

INGESTION: DO NOT INDUCE VOMITING. DRINK WATER, MILK, OR MAGNESIA IF POSSIBLE. GET IMMEDIATE MEDICAL ATTENTION.

**NOTE: DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.**

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled

SMALL SPILL: NEUTRALIZE WITH SODA ASH. AREA MUST HAVE GOOD VENTILATION. SOAK UP WITH ABSORBENT MATERIAL AND PLACE IN A D.O.T. APPROVED DISPOSAL CONTAINER.

LARGE SPILL: CONTAIN WITH DIKE OF ABSORBENT MATERIAL, NEUTRALIZE, AND PLACE IN A D.O.T. APPROVED DISPOSAL CONTAINER. PROTECTIVE CLOTHING AND GOOD VENTILATION ARE REQUIRED.

Waste Disposal Method

CONTACT STATE AND LOCAL AUTHORITIES FOR DETAILS

Precautions to Be Taken in Handling and Storing

KEEP CONTAINER TIGHTLY SEALS WHEN NOT IN USE

Other Precautions

KEEP OUT OF REACH OF CHILDREN

## SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type)

NOT REQUIRED WITH GOOD VENTILATION, OTHERWISE USE NIOSH APPROVED RESPIRATOR

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

Protective Gloves

RUBBER OR PLASTIC

Eye Protection

GOGGLES, GLASSES, OR FACE SHIELD

Other Protective Clothing or Equipment

RUBBER BOOTS AND APRON

Work/Hygienic Practices

USE CARE AND COMMON SENSE