

**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 ACID WASH

**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 SOUTH ARVILLE

(702) 876-3990

LAS VEGAS, NEVADA 89103 92050

Date Prepared

2/01/2002 Supersedes 11/30/95

Signature of Preparer (optional)

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

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Recommended	% (optional)
HYDROCHLORIC ACID	CAS #7647-01-0	5PPM	5PPM	NONE

Other Limits

&lt;10%

DOT CLASS: HYDROCHLORIC ACID, SOLUTION

8, UN1789, PGII

**HAZARD RATING:****4-EXTREME****3-HIGH****2-MODERATE****1-SLIGHT****0-INSIGNIFICANT****HEALTH = 3****FIRE = 0****REACTIVITY = 1****SPECIFIC HAZARDS = N/A****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

CLEAR LIQUID WITH AN ACIDIC ODOR

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

Flash Point (Method Used)

NOT FLAMMABLE

Flammable Limits

N/A

LEL

N/A

UEL

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

<b>Stability</b>	Unstable	Conditions to Avoid
	Stable	xxx HEAT AND STRONG ALKALI

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

MAY LIBERATE HYDROGEN CHLORIDE FUMES

**Polymerization**

Will	Not	Occur	XXX
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Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
YES	YES	YES	

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

EYE & SKIN: FLUSH AREA WITH WATER FOR 15 MINUTES. 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.

SMALL SPILLS: NEUTRALIZE WITH SODA ASH, AREAS MUST HAVE GOOD VENTILATION. OAK 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.

CONTACT STATE AND LOCAL AUTHORITIES FOR DETAILS.

KEEP CONTAINER TIGHTLY SEALED WHEN NOT IN USE.

KEEP OUT OF REACH OF CHILDREN.

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

## RUBBER BOOTS AND APRON

USE CARE AND COMMON SENSE