

**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 Z CHLOR

**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

Date Prepared

LAS VEGAS, NEVADA 89103

1/22/2001 Supercedes 01/10/2001

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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POTASSIUM HYDROXIDE CAS #1310-58-3	2mg/M <sub>3</sub>	2mg/M <sub>3</sub>		15-25%
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SODIUM HYPOCHLORITE CAS #7681-52-9				<5%
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DOT CLASS: CORROSIVE LIQUID, N.O.S.  
(POTASSIUM HYDROXIDE, MIXTURE)  
8, UN1760, PG II

**HAZARD RATING:****4-EXTREME****3-HIGH****2-MODERATE****1-SLIGHT****0-INSIGNIFICANT**

<b>HEALTH</b>	<b>=</b>	<b>3</b>
<b>FIRE</b>	<b>=</b>	<b>0</b>
<b>REACTIVITY</b>	<b>=</b>	<b>1</b>
<b>SPECIFIC HAZARDS</b>	<b>=</b>	<b>N/A</b>

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point

214°F

Specific Gravity (H<sub>2</sub>O = 1)

1.27

Vapor Pressure (mm Hg)

N/A

Melting Point

15°F

Vapor Density

N/A

Evaporation Rate (Butyl Acetate = 1)

NOT TESTED

Solubility in Water

COMPLETELY SOLUBLE

pH

14.0

Appearance and Odor

CLEAR, LIGHT YELLOW LIQUID WITH MILD BLEACH ODOR.

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

Flash Point (Method Used)

NON-FLAMMABLE

Flammable Limits

N/A

LEL

N/A

UEL

N/A

Extinguishing Media

WILL NOT BURN OR SUPPORT COMBUSTION

Special Fire Fighting Procedures

USE SELF-CONTAINED BREATHING EQUIPMENT AND COVER ALL EXPOSED SKIN.

Unusual Fire and Explosion Hazards

EXCESSIVE HEAT MAY PRODUCE CAUSTIC FUMES

(Reproduce locally)

OSHA 174, Sept. 1985

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**SECTION V - REACTIVITY DATA**

<b>Stability</b>	Unstable	Conditions to Avoid
	Stable	XXX
		HEAT AND STRONG ACIDS OR OXIDIZERS

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Incompatibility (Materials to Avoid)  
HYDROCHLORIC, SULPHURIC, PHOSPHORIC, OR OTHER STRONG ACIDS

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Hazardous Decomposition or Byproducts

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

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**SECTION VI - HEALTH HAZARD DATA**

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	NO	YES	YES

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Health Hazards (Acute and Chronic)

THIS IS A CAUSTIC ALKALI PRODUCT WHICH IS CORROSIVE TO TISSUE

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Emergency and First Aid Procedures

EYES: FLUSH WITH WATER FOR 15 MINUTES, LIFTING UPPER AND LOWER EYELIDS REGULARLY. IF IRRITATION PERSISTS, CONTACT A PHYSICIAN.

SKIN: WASH WITH SOAP AND WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, CONTACT A PHYSICIAN. ANY CONTAMINATED CLOTHING MUST BE WASHED BEFORE RE-USE.

INGESTION: DO NOT INDUCE VOMITING. DRINK PLENTY OF WATER FOLLOWED BY ORANGE, LEMON OR GRAPEFRUIT JUICE. GET IMMEDIATE MEDICAL ATTENTION.

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

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

Steps to Be Taken in Case Material is Released or Spilled

SOAK UP WITH AN INERT ABSORBENT MATERIAL SUCH AS SAND OR VERMICULITE AND PLACE IN AN APPROVED WASTE DISPOSAL CONTAINER.

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Waste Disposal Method

CONTACT STATE OR LOCAL AUTHORITIES FOR DETAILS

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Precautions to Be Taken in Handling and Storing

STORE IN A COOL DRY PLACE AWAY FROM INCOMPATIBLE MATERIALS

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Other Precautions

KEEP OUT OF REACH OF CHILDREN

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**SECTION VIII - CONTROL MEASURES**

Respiratory Protection (Specify Type)

NOT REQUIRED WITH GOOD VENTILATION

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

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

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Other Protective Clothing or Equipment

RUBBER OR NEOPRENE APRON

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Work/Hygienic Practices

USE CARE AND COMMON SENSE

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