

**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 OVEN

**SECTION I**

Distributor's Name

BRADY INDUSTRIES OF UTAH

Emergency Telephone Number

(800) 424-9300

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

1130 SOUTH 3800 WEST

Telephone Number for Information

(801) 973-6166

Date Prepared

4/8/99

SALT LAKE CITY, UTAH 84104

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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SODIUM HYDROXIDE	CAS #1310-73-2	2mg/M <sub>3</sub>	2mg/M <sub>3</sub>	>1%
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2 BUTOXYETHANOL	CAS #111-76-2	25PPM	25PPM	>1%
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SODIUM HYDROXIDE SOLUTION

8, UN1824, 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

215°F

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

1.04

Vapor Pressure (mm Hg)

NOT TESTED

Melting Point

N/A

Vapor Density

NOT TESTED

Evaporation Rate (Butyl Acetate = 1)

NOT TESTED

Solubility in Water

COMPLETELY SOLUBLE

pH

13.8

Appearance and Odor

FLUORESCENT YELLOW LIQUID WITH MILD SOLVENT ODOR

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

Flash Point (Method Used)

NOT FLAMMABLE

Flammable Limits

N/A

LEL

UEL

Extinguishing Media

WATER, CO<sub>2</sub>, DRY CHEMICAL, OR FOAM

Special Fire Fighting Procedures

USE SELF-CONTAINED BREATHING EQUIPMENT

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 OR STRONG ACIDS

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Incompatibility (Materials to Avoid)  
HYDROCHLORIC, SULFURIC, 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 PRODUCE WHICH IS CORROSIVE TO TISSUE

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Emergency and First Aid Procedures

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EYES: FLUSH WITH RUNNING WATER FOR AT LEAST 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 MEDICAL ATTENTION IMMEDIATELY

**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 INFORMATION.

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Precautions to Be Taken in Handling and Storing  
STORE IN A COOL DRY AREA AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

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Other Precautions  
KEEP OUT OF REACH OF CHILDREN

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**SECTION VII - 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
<u>RUBBER OR PLASTIC</u>	<u>GLASSES OR GOGGLES</u>

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Other Protective Clothing or Equipment  
RUBBER OR PLASTIC APRON

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Work/Hygienic Practices  
USE CARE AND COMMON SENSE

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