

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 BREAK DOWN SUPER CONCENTRATE

SECTION I

Distributor's Name

BRADY INDUSTRIES, INC.

Emergency Telephone Number

(800) 424-9300

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

4175 SOUTH ARVILLE

(702) 876-3990

LAS VEGAS, NEVADA 89103

Date Prepared

3/11/2002 Supercedes 3/24/2001

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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TETRAPOTASSIUM PYROPHOSPHATE CAS #7320-34-5

10-15

(Not Established LD50: 2980 mg/kg (oral-rat); >7900 mg/kg (dermal-rabbit))

SURFACTANTS

CAS #14960-06-6/68439-50-9

10-15

(Not Established)

TRIPOTASSIUM SALT OF EDTA

CAS #17572-97-3

5-10

(Not Established)

SODIUM SILICATE

CAS #1344-09-8

1-5

(Not Established LD50: 1300-2600 mg/kg (oral-rat))

POTASSIUM HYDROXIDE

CAS #1310-58-3

1-5

2 MG/M3 ACGIH/OSHA CEILING LD50: 365 mg/kg (oral-rat)

WATER

CAS #7732-18-5

50-60

(Not Established) DOT CLASS: CORROSIVE LIQUIDS, N.O.S. (POTASSIUM HYDROXIDE, MIXTURE)

8, UN1760, PGII

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

Boiling Point

212°F (100°C)

Specific Gravity (H2O = 1)

1.25

Vapor Pressure (mm Hg)

NOT APPLICABLE

Melting Point

NOT AVAILABLE

Vapor Density

NOT AVAILABLE

Evaporation Rate (Butyl Acetate = 1)

NOT AVAILABLE

Solubility in Water

COMPLETE

pH

13.5

Appearance and Odor

CLEAR PALE YELLOW LIQUID

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)

N/A

Flammable Limits

N/A

LEL

N/A

UEL

N/A

Extinguishing Media

FOAM, CO₂, DRY CHEMICAL, WATER FOG.

Special Fire Fighting Procedures

NORMAL FIRE FIGHTING PROCEDURE MAY BE USED. COOL AND USE CAUTION WHEN APPROACHING
OR HANDLING FIRE-EXPOSED CONTAINERS.

Unusual Fire and Explosion Hazards

CORROSIVE MATERIAL CONTAINS CAUSTIC ALKALI, AVOID CONTACT WITH PRODUCT

(Reproduce locally)

OSHA 174, Sept. 1985

5

SECTION V - REACTIVITY DATA

Stability	Unstable	Conditions to Avoid
	Stable	XXX NONE KNOWN

Incompatibility (Materials to Avoid)

STRONG ACIDS (e.g., MURIATIC ACID). STRONG OXIDIZING MATERIALS (e.g., LIQUID CHLORINE). AVOID CONTACT WITH: NON FERROUS METALS. (e.g., ZINC, ALUMINUM)

Hazardous Decomposition or Byproducts

PRODUCES NORMAL PRODUCTS OF COMBUSTION

Hazardous	May Occur	Conditions to Avoid
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Polymerization	Will Not Occur	XXX NONE
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SECTION VI - HEALTH HAZARD DATA

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

Health Hazards (Acute and Chronic)

CORROSIVE MAY CAUSE PERMANENT EYE DAMAGE, CHEMICAL BURNS ON SKIN AND IRRITATION OF THE RESPIRATORY TRACT IF INHALED. HARMFUL IF SWALLOWED, CORROSIVE TO MOUTH AND DIGESTIVE TRACT.

Emergency and First Aid Procedures

EYES: FLUSH IMMEDIATELY WITH WATER FOR 20 MINUTES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

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

INHALATION: REMOVE TO FRESH AIR.

INGESTION: DO NOT INDUCE VOMITING! DRINK 1-2 GLASSES OF WATER OR MILK. SEEK 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

ABSORB WITH OIL-DRI OR SIMILAR INERT MATERIAL. SWEEP OR SCRAPE UP AND CONTAINERIZE. RINSE AFFECTED AREA THOROUGHLY WITH WATER. WEAVE/USE APPROPRIATE PROTECTIVE EQUIPMENT.

Waste Disposal Method

DISPOSE OF IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS

Precautions to Be Taken in Handling and Storing

WHEN HANDLING CONCENTRATE, WEAR EYE PROTECTION AND RUBBER GLOVES

Other Precautions

STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING. LAUNDRY CONTAMINATED CLOTHING/EQUIPMENT BEFORE RE-USE. KEEP OUT OF REACH OF CHILDREN.

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type)

IF MIST/VAPORS ARE NOT ADEQUATELY CONTROLLED BY LOCAL VENTILATION, USE APPROPRIATE RESPIRATORY PROTECTION TO PREVENT OVEREXPOSURE.

Ventilation	Local Exhaust	Special
	YES	NO
	Mechanical (General)	Other
	NO	NO

Protective Gloves

LONG RUBBER GLOVES

Eye Protection

SPLASH PROOF GOGGLES FOR UNDILUTED PRODUCT

Other Protective Clothing or Equipment

IF MAJOR EXPOSURE IS POSSIBLE TO EYES/SKIN, WEAR/USE APPROPRIATE PROTECTIVE EQUIP

Work/Hygienic Practices

USE CARE AND COMMON SENSE