

**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 D-SOLV

**SECTION I**

Distributor's Name

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

Date Prepared

8/05/2002 Supercedes 6/30/2001

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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ORTHOPHOSPHORIC ACID CAS #7664-38-2

1mg/M<sub>3</sub>1mg/M<sub>3</sub>

NONE

&lt;5%

**HAZARD RATING:****HEALTH****= 2****4-EXTREME****FIRE****= 0****3-HIGH****REACTIVITY****= 0****2-MODERATE****SPECIFIC HAZARDS = ACID****1-SLIGHT****0-INSIGNIFICANT****DOT CLASS: PHOSPHORIC ACID 8, UN1805, PGIII****SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point

212°F

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

1.098

Vapor Pressure (mm Hg)

NOT TESTED

Melting Point

30°F

Vapor Density

NOT TESTED

Evaporation Rate (Butyl Acetate = 1)

NOT TESTED

Solubility in Water

pH  
COMPLETELY SOLUBLE

1.2

Appearance and Odor

CLEAR BLUE LIQUID WITH MILD MINT FRAGRANCE.

**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 ACIDIC FUMES

(Reproduce locally)

OSHA 174, Sept. 1985

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

Unstable

Stable

Conditions to Avoid

xxx

HEAT AND STRONG ALKALI

Incompatibility (Materials to Avoid)

CAUSTIC ALKALIS SUCH AS CAUSTIC SODA, CAUSTIC POTASH AND SULFIDES

Hazardous Decomposition or Byproducts

NONE

**Hazardous** May Occur Conditions to Avoid

**Polymerization**

Will Not Occur XXX NONE

## SECTION VI - HEALTH HAZARD DATA

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

Health Hazards (Acute and Chronic)

**THIS IS A STRONG ACID PRODUCT AND IS CORROSIVE TO TISSUE**

## Emergency and First Aid Procedures

EYES: FLUSH WITH WATER FOR 15 MINUTES AND GET IMMEDIATE ATTENTION.  
SKIN: WASH WITH SOAP AND WATER AND GET MEDICAL ATTENTION IF IRRITATION PERSISTS.  
INHALATION: MOVE TO FRESH AIR.  
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

**NEUTRALIZE WITH SODA ASH. SOAK UP WITH ABSORBENT MATERIAL AND PLACE IN D.O.T. APPROVED DISPOSAL CONTAINER. DIKE IF NECESSARY TO KEEP SPILL FROM ENTERING SEWERS. GOOD VENTILATION IS NECESSARY AS CARBON DIOXIDE GAS IS PRODUCE.**

Waste Disposal Method

**CONTACT STATE OF LOCAL AUTHORITIES FOR DETAILS**

Precautions to Be Taken in Handling and Storing

**STORE IN A COOL DRY AREA AWAY FROM ALKALIS. KEEP CONTAINER TIGHTLY SEALED WHEN NOT IN USE.**

Other Precautions

**KEEP OUT OF REACH OF CHILDREN**

## SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type)

**NOT REQUIRED IF GOOD VENTILATION IS AVAILABLE**

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

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

Other Protective Clothing or Equipment  
RUBBER APRON AND BOOTS

Work/Hygienic Practices

USE CARE AND COMMON SENSE