

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 PLUS

SECTION I

Distributor's Name	Emergency Telephone Number
BRADY INDUSTRIES, INC.	(800) 424-9300
Address (Number, Street, City, State & ZIP Code)	Telephone Number for Information
4175 SOUTH ARVILLE	(702) 876-3990
	Date Prepared
LAS VEGAS, NEVADA 89103	1/28/2003 Supercedes 7/30/2002
	Signature of Preparer (optional)

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity; Common Name(s)) (optional)	OSHA PEL	ACGIH TLV	Recommended	%
---	----------	-----------	-------------	---

Other Limits

ORTHOPHOSPHORIC ACID	CAS #7664-38-2	1mg/M ₃	1mg/M ₃	NONE	<5%
QUAT				NONE	<1%

HAZARD RATING:

4-EXTREME

3-HIGH

2-MODERATE

1-SLIGHT

0-INSIGNIFICANT

HEALTH	=	2
FIRE	=	0
REACTIVITY	=	0
SPECIFIC HAZARDS	=	ACID

DOT CLASS: PHOSPHORIC ACID
8, UN1805, PGIII

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	212°F	Specific Gravity (H ₂ 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	COMPLETELY SOLUBLE	pH	1.2

Appearance and Odor
CLEAR YELLOW LIQUID WITH MILD MINT FRAGRANCE.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Flammable Limits	LEL	UEL
NOT FLAMMABLE	N/A	N/A	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

SECTION V - REACTIVITY DATA

Stability	Unstable	Conditions to Avoid
Stable	XX	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

Ventilation	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