

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)

JMD's BEST TUB AND TILE BATHROOM CLEANER

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	9/11/98
	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 ₃	1mg/M ₃	NONE	10-30%
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DOT CLASS: PHOSPHORIC ACID
8, UN1805, PGIII

HAZARD RATING:	HEALTH	= 3
4-EXTREME	FIRE	= 0
3-HIGH	REACTIVITY	= 1
2-MODERATE	SPECIFIC HAZARDS	= 0
1-SLIGHT		
0-INSIGNIFICANT		

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	Specific Gravity (H ₂ O = 1)
212°F	1.140
Vapor Pressure (mm Hg)	Melting Point
NOT TESTED	30°F
Vapor Density	Evaporation Rate (Butyl Acetate = 1)
NOT TESTED	NOT TESTED
Solubility in Water	pH
COMPLETELY SOLUBLE	APPROX 1.0

Appearance and Odor
CLEAR MAUVE LIQUID WITH A CINNAMON 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

(Reproduce locally)

OSHA 174, Sept. 1985

SECTION V - REACTIVITY DATA**Stability** Unstable

Conditions to Avoid

Stable

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 PRODUCED.

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 VII - 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