

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)

RUST STAIN REMOVER

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

3/11/98

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)	
HYDROCHLORIC ACID	CAS #7647-01-0	5PPM	5PPM	NONE	15-25%

DOT CLASS: CORROSIVE LIQUID N.O.S.
HYDROCHLORIC ACID MIXTURE
8, UN 1760, 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

214°F

Specific Gravity (H2O = 1)

1.10

Vapor Pressure (mm Hg)

NOT TESTED

Melting Point

20°F

Vapor Density

NOT TESTED

Evaporation Rate (Butyl Acetate = 1)

NOT TESTED

Solubility in Water

COMPLETELY SOLUBLE

pH

0.0

Appearance and Odor

CLEAR MEDIUM-DARK BROWN LIQUID WITH ACRID ODOR.

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 HIGHLY CORROSIVE HYDROGEN CHLORIDE 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 AND CYANIDES

Hazardous Decomposition or Byproducts

MAY LIBERATE HYDROGEN CHLORIDE FUMES

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?
	YES	YES	YES

Health Hazards (Acute and Chronic)

THIS IS A STRONGLY ACIDIC PRODUCE AND IS EXTREMELY CORROSIVE TO TISSUE, PARTICULARLY INHALATION OF THE VAPOR.

Emergency and First Aid Procedures

EYES: FLUSH WITH WATER FOR 15 MINUTES AND GET IMMEDIATE MEDICAL ATTENTION.

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

INHALATION: MOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF REQUIRED. GET IMMEDIATE MEDICAL ATTENTION.

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

SMALL SPILL: NEUTRALIZE WITH SODA ASH. AREA MUST HAVE GOOD VENTILATION. SOAK UP WITH ABSORBENT MATERIAL AND PLACE IN A D.O.T. APPROVED DISPOSAL CONTAINER.

LARGE SPILL: CONTAIN WITH DIKE OF ABSORBENT MATERIAL, NEUTRALIZE, AND PLACE IN A D.O.T. APPROVED DISPOSAL CONTAINER. PROTECTIVE CLOTHING AND GOOD VENTILATION ARE REQUIRED.

Waste Disposal Method

CONTACT STATE AND LOCAL AUTHORITIES FOR DETAILS

Precautions to Be Taken in Handling and Storing

KEEP CONTAINER TIGHTLY SEALS WHEN NOT IN USE

Other Precautions

KEEP OUT OF REACH OF CHILDREN

SECTION VII - CONTROL MEASURES

Respiratory Protection (Specify Type)

NOT REQUIRED WITH GOOD VENTILATION, OTHERWISE USE NIOSH APPROVED RESPIRATOR

Ventilation	Local Exhaust	Special
	IF AVAILABLE	NONE
	Mechanical (General)	Other
	IF AVAILABLE	NONE

Protective Gloves

RUBBER OR PLASTIC

Eye Protection

GOGGLES, GLASSES, OR FACE SHIELD

Other Protective Clothing or Equipment

RUBBER BOOTS AND APRON

Work/Hygienic Practices

USE CARE AND COMMON SENSE
