

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)

LIME GONE

SECTION I

Manufacturer's Name

BRADY INDUSTRIES

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, NV 89103

Date Prepared

3/07/2003

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) |
|---|----------|-----------|-----------------------------|--------------|
|---|----------|-----------|-----------------------------|--------------|

| | | | | | |
|----------------------|----------------|--------------------|--------------------|------|------|
| ORTHOPHOSPHORIC ACID | CAS #7664-38-2 | 1mg/M ₃ | 1mg/M ₃ | NONE | <30% |
|----------------------|----------------|--------------------|--------------------|------|------|

DOT CLASS: CORROSIVE LIQUID, N.O.S.
(PHOSPHORIC ACID, MIXTURE)
8, UN1760, PG III

HAZARD RATING:

| | | |
|-----------------|------------------|-------|
| 4-EXTREME | HEALTH | = 1 |
| 3-HIGH | FIRE | = 0 |
| 2-MODERATE | REACTIVITY | = 0 |
| 1-SLIGHT | SPECIFIC HAZARDS | = N/A |
| 0-INSIGNIFICANT | | |

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

| | |
|---|---|
| Boiling Point | Specific Gravity (H ₂ O = 1) |
| 220°F | 1.16 |
| Vapor Pressure (mm Hg) | Melting Point |
| NOT TESTED | 20°F |
| Vapor Density | Evaporation Rate (Butyl Acetate = 1) |
| NOT TESTED | NOT TESTED |
| Solubility in Water | pH |
| COMPLETELY SOLUBLE | 1.5 |
| Appearance and Odor | |
| CLEAR MEDIUM GREEN LIQUID WITH MILD CHEMICAL ODOR | |

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 HIGHLY CORROSIVE HYDROGEN CHLORIDE VAPOR | | | |

(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

Polymerization

Will Not Occur

XXX

NONE

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry:

Inhalation? Skin?

Ingestion?

YES

YES

YES

Health Hazards (Acute and Chronic)

THIS IS A POWERFUL COMBINATION OF ACIDS 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 AND GET IMMEDIATE 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. SOAK UP WITH ABSORBENT MATERIAL AND PLACE IN APPROVED DISPOSAL CONTAINER.

LARGE SPILL: CONTAIN WITH DIKE OR ABSORBENT MATERIAL, NEUTRALIZE, AND PLACE IN A D.O.T. APPROVED DISPOSAL CONTAINER.

Waste Disposal Method

CONTACT STATE OR 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

GOGGLES, GLASSES, OR FACE SHIELD

Other Protective Clothing or Equipment

RUBBER APRON AND BOOTS

Work/Hygienic Practices

USE CARE AND COMMON SENSE