

Distributor: Palmer Company, Inc.

Address 1...: 1201 Sentry Dr. Emergency Phone.....: 312/523-1010

Address 2...: N/A Preparation/Revision Date: 3/29/89
City/St/Zip.: Waukesha WI 53186 Location...: N/A
Other Locations (414) 547-2246
Contact/Prep M. KOGOL, JR. (312/376-8981)

Trade Name/Synonyms...: Palmer Aggregate Substrate Cleaner

Chemical Name/Synonyms: N/A
Chemical Family.....: N/A
Formula.....: N/A
Product Code.....: 44220

***** HAZARDOUS INGREDIENTS *****

Does product contain hazardous ingredients? (Y,N,N/A,N/I) : YES
Chemical/Common Name CAS-Number % PEL-OSHA TLV-ACGIH
*HYDROCHLORIC ACID 7647-01-0 1.5 C 5 PPM C 5 PPM
* Subject to the reporting requirements of section 313 of the Emergency
Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.
This information must be included in all MSDS's that are copied and
distributed for this material.
Does product contain carcinogens? (NTP IARC OSHA) (Y,N,N/A,N/I): NO

***** HEALTH HAZARD DATA *****

Health Effects (Acute and Chronic)
EYES AND SKIN- MAY IRRITATE EYES AND SKIN. INGESTION- MAY IRRITATE
GASTROINTESTINAL TRACT AND AFFECT OTHER INTERNAL ORGANS.
Primary routes of entry
INGESTION.
Medical conditions aggravated by exposure
UNKNOWN
Emergency first aid procedures
QUICKLY FOLLOW DIRECTIONS BELOW; CALL A POISON CONTROL CENTER OR PHYSICIAN.
GET QUICK MEDICAL ATTENTION IF ANY ILL EFFECTS CONTINUE OR DEVELOP LATER.
EYES- FLUSH EYES WITH PLENTY OF WATER WHILE REMOVING ANY CONTACT LENSES, THEN
HOPE EYELIDS OPEN AND CONTINUE FLUSHING FOR 15 MINUTES. SKIN- REMOVE ANY
CONTAMINATED CLOTHING, THEN WASH AFFECTED SKIN WITH SOAP AND WATER.
INGESTION- FOR CONSCIOUS VICTIM- RINSE MOUTH WITH WATER, SPIT OUT RINSE, THEN
DRINK A GLASSFUL OF WATER. DO NOT INDUCE VOMITING UNLESS DIRECTED BY MEDICAL
PERSONNEL. GET IMMEDIATE MEDICAL ATTENTION.

***** CHEMICAL DATA *****

Boiling Point(F).... 212 Specific Gravity(Water=1)..... 1.02
Vapor Pressure(MMHG) 18 Melting Point (F) N/A
Vapor Density(air=1) <1 Evap Rate(B. ACETATE =1) <1
Solubility in Water.. COMPLETE
Appearance and Odor Information
OPAQUE, OFF-WHITE LIQUID HAVING A MILD ODOR.

***** PHYSICAL HAZARD DATA *****

Flash Point (Method Used) NONE (TCC) Flammable Limits-LEL= N/A UEL= N/A
Extinguishing Media WATER
Special Fire Fighting Procedures
HYDROGEN CHLORIDE GAS MAY BE RELEASED IF PRODUCT IS HEATED. USE A GAS MASK.
Usual Fire and Explosion Hazards
HCL FUMES REACT WITH MOST COMMON METALS TO PRODUCE HYDROGEN GAS WHICH CAN
BE A FIRE AND/OR EXPLOSION HAZARD.

***** REACTIVITY DATA *****

Incompatibility (Materials to Avoid)
AVOID STRONGLY CAUSTIC MATERIALS. AVOID STRONG OXIDANTS.
Hazardous Decomposition Products
HCL AND OXIDES OF CARBON AND SULFUR MAY BE FORMED UPON COMBUSTION.
Will hazardous polymerization occur?
NO
Precautions to avoid/polymerization
NO
Is the product stable?

YES
Conditions to avoid/stability
AVOID HEATING TO ABNORMAL TEMPERATURES.

***** SPILL AND LEAK PROCEDURES *****

Steps to be taken in case material is released or spilled
WIPE OR MOP UP SPILLS, THEN RINSE WITH WATER.
Waste Disposal Method
TRIPLE RINSE CONTAINER THEN DISCARD IN TRASH.

***** EXPOSURE CONTROL INFORMATION *****

Ventilation
Local Exhaust NONE REQUIRED Mechanical (GEN) ADEQUATE VENTILATION
Special..... N/A Other..... N/A
Respiratory Protection
NONE REQUIRED
Protective Gloves
RUBBER OR PLASTIC
Other Protective Equipment
SAFETY GLASSES
Other Engineering Controls
N/A
Work Practices
ALWAYS FOLLOW SAFE WORK PRACTICES.
Hygienic Practices
N/A

***** SPECIAL PRECAUTIONS *****

Precautions to be taken in handling and storage
CAUTION. MAY IRRITATE EYES OR SKIN. KEEP OUT OF REACH OF CHILDREN. AVOID
CONTACT WITH EYES OR SKIN. STORE IN A COOL, DRY AREA. DO NOT TAKE
INTERNALLY.

Maintenance Precautions
N/A
Other Precautions
READ ENTIRE LABEL BEFORE USING.

Other Comments
DETECTABLE AMOUNTS OF "CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE
CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM" MAY BE FOUND IN VARIOUS
PRODUCTS AND THEIR VAPORS OR RESULT FROM THEIR USE. READ AND FOLLOW LABEL
DIRECTIONS AND OTHER PRODUCT SAFETY AND HEALTH INFORMATION WHICH YOU HAVE
BEEN PROVIDED WHEN HANDLING OR USING OUR PRODUCTS.

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| HAZARDOUS MATERIALS IDENTIFICATION SYSTEM | | * |
| | Rating | * |
| Health | 1 | * |
| Fire | 1 | * |
| Reactivity | 0 | * |
| * KEY: 0-Min 1-Slight 2-Mod 3-Serious 4-Severe * | | |
