MATERIAL SAFETY DATA SHEET

Distributor: Palmer Company, Inc.

Address 1: 1201 Sentry Dr.
Address 2: N/A
City/Zip: Waukesha 53186
Other Locations: (414) 547-2246
Contact/Prop. M. KOOG, JR. (312/376/8981)

Trade Name/Synonym: Palmer Aggregate Substrate Cleaner

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

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

Does this product contain hazardous ingredients? (Y,N,N/A,N/I): YES
Chemical/Common Name: HYDROCHLORIC ACID
CAS-Number: 7647-01-0
PEL-OSHA TLV-ACGIH: 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 SDS's that are copied and distributed for this material.

Does this 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 KEEP 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): 10
Melting Point (F): N/A
Evaporation 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

Extinquishing Media:
WATER

Special Fire Fighting Procedures:
HYDROGEN CHLORIDE GAS MAY BE RELEASED IF PRODUCT IS HEATED. USE A GAS MASK.

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

Is the product stable?
Yes

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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
THRU RINSE CONTAINER THEN DISCARD IN TRASH.

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

Ventilation
Local Exhaust: NONE REQUIRED
Special: N/A
Mechanical (GEN): ADEQUATE VENTILATION
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 INSTRUCTIONS AND OTHER PRODUCT SAFETY AND HEALTH INFORMATION WHICH YOU HAVE BEEN PROVIDED WHEN HANDLING OR USING OUR PRODUCTS.

**************************************************** HAZARDOUS MATERIALS IDENTIFICATION SYSTEM ****************************************************

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

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