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PRODUCT NAME: ALKALUME DEOXIDANT

MSDS No.: 13719

REVISION: 4

PREPARED BY: DIR OF ENV AFFAIRS ISSUE DATE: 02/12/87 EFFECTIVE DATE: 01/29/00

SECTION A. MATERIAL IDENTIFICATION.

MANUFACTURER: McGEAN-ROHCO, INC.

CHEMTREC:

TELEPHONE #: 800-424-9300

OR 703-527-3887

38521 SCHOOLCRAFT AVE.  
LIVONIA MI 48150  
TELEPHONE: 734-464-2330

SECTION B. INGREDIENTS AND HAZARDS.

INGREDIENT: SODIUM BISULFATE

5.0 - 10.0%

CAS NUMBER: 7681-38-1

EXPOSURE LIMIT: TWA: 10mg/CU METER AS NUISANCE DUST

SUSPECT CARCINOGEN: NO

INGREDIENT: SODIUM SILICOFLUORIDE

1.0 - 2.0%

CAS NUMBER: 16893-85-9

EXPOSURE LIMIT: TWA: 2.5mg/CU METER AS FLUORIDE

SUSPECT CARCINOGEN: NO

SECTION C. PHYSICAL DATA.

APPEARANCE: WHITE POWDER

BOILING POINT: NA

ODOR: MILD

FREEZING POINT: NA

SPECIFIC GRAVITY: NA

VAPOR PRESSURE: NA

pH: NA

VAPOR DENSITY: NA

% VOLATILE BY VOLUME: NA

EVAPORATION RATE: NA

SOLUBILITY IN WATER: APPRECIABLE

SECTION D. FIRE AND EXPLOSION HAZARD DATA.

FLASH POINT: NA

HAZARD SYMBOL CODES

TEST METHOD: NA

NFPA HMIS

HEALTH: 2 2

LIMITS: LEL: NA

FLAMMABILITY: 0 0

UEL: NA

REACTIVITY: 0 0

SPECIAL:

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EXTINGUISHING MEDIA: NOT FLAMMABLE

SPECIAL FIRE FIGHTING IF INVOLVED IN A FIRE, SELF-CONTAINED BREATHING PROCEDURES: APPARATUS AND FULL PROTECTIVE GEAR SHOULD BE WORN.

UNUSUAL FIRE OR EXPLOSION HAZARDS: NONE

SECTION E. REACTIVITY DATA.

MATERIAL IS STABLE.  
 HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

CONDITIONS TO AVOID: NA

CHEMICAL INCOMPATIBILITIES: STRONG MINERAL ACIDS

HAZARDOUS DECOMPOSITION PRODUCTS: HYDROGEN FLUORIDE AND OXIDES OF SULFUR.

SECTION F. HEALTH HAZARD DATA.

SUMMARY OF RISKS: SARA--ACUTE

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY CONTACT: EXISTING DERMATITIS.

TARGET ORGANS: SKIN, EYES, RESPIRATORY SYSTEM, TEETH.

PRIMARY ENTRY ROUTES: THROUGH CONTACT OR INHALATION OF DUST.

ACUTE EFFECTS: IRRITATING TO SKIN. STRONGLY IRRITATING OR CORROSIVE TO EYES.

CHRONIC EFFECTS: NONE KNOWN.

SIGNS & SYMPTOMS OF OVEREXPOSURE:

EYE CONTACT: BURNING OR STINGING SENSATION.

SKIN CONTACT: IRRITATION OR BURNING SENSATION.

INHALATION: IRRITATION OF RESPIRATORY TRACT.

INGESTION: BURNING OF THROAT. NAUSEA. VOMITING.

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EMERGENCY & FIRST AID PROCEDURES:

EYE CONTACT: FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

SKIN CONTACT: FLUSH WITH WATER, THEN WASH WITH SOAP AND WATER. IF ANY IRRITATION PERSISTS, GET MEDICAL ATTENTION.

INHALATION: REMOVE TO FRESH AIR.

INGESTION: IF CONSCIOUS, GIVE SEVERAL GLASSES OF MILK OR WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

SECTION G. SPILL, LEAK AND DISPOSAL PROCEDURES.

SPILL/LEAK PROCEDURES: SCOOP, SWEEP, OR VACUUM UP. PLACE IN SUITABLE CONTAINER FOR TREATING, RECLAMATION, OR DISPOSAL. FLUSH TRACE RESIDUE AWAY WITH WATER.

WASTE MANAGEMENT & DISPOSAL PROCEDURES: THE PRODUCT AS RECEIVED CAN BE SENT TO A LANDFILL. IF DESIRED, DISSOLVE IN WATER AND TREAT WITH LIME TO A pH OF 7-8.5. THE PRECIPITATE CAN GO TO A LANDFILL. THE MOTHER LIQUOR CAN BE SEWERED. FOLLOW ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

RCRA # (IF DISPOSED AS RECEIVED). NONE

SECTION H. SPECIAL PROTECTION INFORMATION

PERSONAL PROTECTIVE EQUIPMENT:

GOGGLES: SAFETY GLASSES.

GLOVES: RUBBER.

RESPIRATOR: IF TWA IS EXCEEDED, MUST BE NIOSH OR MSHA APPROVED.

OTHER: SUFFICIENT TO PREVENT SKIN CONTACT.