

MATERIAL SAFETY DATA SHEET

SECTION 1 IDENTIFICATION OF PRODUCT

PRODUCT NAME: DRAIN OPENER CRYSTALS (DS201)

5/05

MANUFACTURER: BANNER CHEMICAL CORP., 111 HILL ST., ORANGE, N.J. 07050-3901

EMERGENCY TELEPHONE: 973/676-2900

SECTION 2 HAZARDOUS INGREDIENTS

*SODIUM HYDROXIDE CAS NO. 1310-73-2 99% TLV 2.0mg/M³

*THIS TOXIC CHEMICAL IS SUBJECT TO REPROTING REQUIREMENTS OF SEC. 313-SARA TITLE III-40CFR, PART 372.

SECTION 3 PHYSICAL DATA

BOILING POINT: 1388°C.

VAPOR PRESSURE: 42mm Hg @ 1000°C.

VAPOR DENSITY: N/A

EVAPORATION RATE: N/A

SOLUBILITY IN WATER: 100%

APPEARANCE AND ODOR: CLEAR WHITE SOLID, NO DISTINCT ODOR.

% VOLATILE BY VOLUME: NON-VOLATILE

SECTION 4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A

FLAMMABLE LIMITS: N/A

EXTINGUISHING MEDIA: NON-COMBUSTIBLE. USE MEDIA PROPER TO PRIMARY CAUSE OF FIRE.

SPECIAL FIRE FIGHTING PROCEDURES: PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARD: NONE KNOWN

SECTION 5 HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: ACUTE ORAL: LD₅₀ 140-340 mg/kg. ACUTE DERMAL: LD₅₀ 1.35gm/kg. PEL=2.0mg/M³

EFFECTS OF OVEREXPOSURE: ACUTE: CORROSIVE TO ALL BODY TISSUE TO WHICH IT COMES IN CONTACT. CHRONIC: MULTIPLE AREAS OF SUPERFICIAL DESTRUCTION OF THE SKIN OR PRIMARY IRRITANT DERMATITIS. INHALATION OF DUST, SPRAY OR MIST MAY RESULT IN VARYING DEGREES OF IRRITATION OR DAMAGE TO THE RESPIRATORY TRACT TISSUES AND AN INCREASED SUSCEPTIBILITY TO RESPIRATORY ILLNESS.

EMERGENCY AND FIRST AID PROCEDURES: SEEK MEDICAL ATTENTION IMMEDIATELY. EYES: IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES HOLDING EYE LIDS APART TO INSURE FLUSING OF THE ENTIRE EYE SURFACE. WASHING EYES WITHIN 1 MINUTE IS ESSENTIAL TO ACHIEVE MAXIMUM EFFECTIVENESS. SKIN: IMMEDIATELY WASH WITH PLENTY OF WATER. THIS MAY BE FOLLOWED WITH A RINSE WITH VINEGAR OR DILUTE (3%) ACETIC ACID. REMOVE CONTAMINATED CLOTHING AND FOOTWEAR AND WASH BEFORE REUSE. DISCARD FOOTWEAR WHICH CANNOT BE DECONTAMINATED. INHALATION: REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION AND ADMINISTER OXYGEN. INGESTION: DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER AND SEVERAL GLASSES OF MILK. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SECTION 6 REACTIVITY DATA

STABILITY: STABLE UNDER NORMAL CONDITIONS

CONDITIONS TO AVOID: ALUMINUM, LEATHER, WOOL, TIN, ZINC AND ALLOYS CONTAINING THESE METALS. STRONG ACIDS.

INCOMPATIBILITY: ALUMINUM, LEATHER, WOOL, TIN, ZINC AND ALLOYS CONTAINING THESE METALS. STRONG ACIDS.

HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION 7 SPILL OR LEAK PROCEDURES

SPILLAGE: CONTAIN SPILL. NEUTRALIZE WITH DILUTE ACID. IF NECESSARY ABSORB WITH INERT MATERIAL.

WASTE DISPOSAL METHOD: IN A MANNER CONSISTENT WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION 8 SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: USE N-IOSH APPROVED RESPIRATOR.

VENTILATION: SUFFICIENT TO MAINTAIN AIR CONCENTRATIONS BELOW TLV.

GLOVES: RUBBER, PVC or PLASTIC.

EYE PROTECTION: CHEMICAL SPLASH GOGGLES AND FACE SHIELD.

OTHER PROTECTIVE EQUIPMENT: HARD HAT, SAFETY SHOES, RUBBER BOOTS, RUBBER APRON SHOULD BE USED.

SECTION 9 SPECIAL PRECAUTIONS

DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. AVOID BREATHING DUST, MIST OR SPRAY. DO NOT TAKE INTERNALLY. USE WITH ADEQUATE VENTILATION AND PROPER PROTECTIVE EQUIPMENT. AVOID CONTACT WITH STRONG ACIDS. WASH THOROUGHLY AFTER HANDLING. STORE AWAY FROM OTHER CHEMICALS AND OUT OF REACH OF CHILDREN. STORE IN A CLOSED CONTAINER AWAY FROM FIRE AND EXTREME HEAT.

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