

MATERIAL SAFETY DATA SHEET

N/A=NOT APPLICABLE

EFFECTIVE DATE 10/5

SECTION 1 - PRODUCT IDENTIFICATION

Product Name: BANZYME DRAIN MAINTAINER and ODOR ELIMINATOR (DS301)

Chemical Family: CLEANING COMPOUND

Supplier's Name: Banner Chemical Corp.

Proper Shipping Name: CLEANING COMPOUND

Supplier's Address: 111 Hill St.

DOT Shipping Hazard: N/A

Orange, N.J. 07050

DOT Labels Required: N/A

EMERGENCY TELEPHONE NUMBER 973/676-2900

HMIS RATING (0-4): HEALTH: 0 FIRE: 0 REACTIVITY: 0

SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NO.	% (optional)	TLV(ACGIH)
*Sodium Hydroxide	1310-73-2	> 1	2.0 mg/M ³

*This toxic chemical is subject to reporting requirements of Sec. 313-SARA Title III-40CFR. Part 372.

SECTION 3 - PHYSICAL DATA

BOILING POINT: c. 212°F.

VAPOR PRESSURE (mmHg @ 20°C): Equiv. to water

VAPOR DENSITY (air=1): Equiv. to water

SPECIFIC GRAVITY: 1.01-1.05

PHYSICAL DESCRIPTION: White to off-white opaque liquid; pleasant fragrance

pH: 7.5-8.5

SOLUBILITY IN WATER: Complete

EVAPORATION RATE: 1

% VOLATILE BY VOLUME: 95

SECTION 4 - FIRE and EXPLOSION DATA

FLASH POINT: None at boiling

FLAMMABLE LIMITS: N/A

EXTINGUISHING MEDIA: Media proper to primary cause of fire.

SPECIAL FIREFIGHTING PROCEDURES: None known.

UNUSUAL FIRE & EXPLOSION HAZARD: None known.

SECTION 5 - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: None assigned

EFFECTS OF OVEREXPOSURE: Organisms used are non-pathogenic but can cause infection when in contact with open wounds. These organisms are susceptible to many commonly used antibiotics. EYES: May cause irritation. SKIN: Slight redness on hands and forearms if individual has a history of dermal allergic reaction; dermatitis and skin sensitization can develop after repeated and/or prolonged contact with human skin. SKIN ABSORPTION: Systematically toxic concentrations will probably not be absorbed through the skin in man. INHALATION: None known. INGESTION: No effect if ingested in small amounts. Relative to other materials, a single dose of this product is rarely toxic by ingestion. Irritation of the mouth, pharynx, esophagus and stomach can develop.

EMERGENCY & FIRST AID PROCEDURES: EYES: Immediately flush with copious amount of water for at least 15 min. While holding eyelids open. SKIN: Remove contaminated clothing and wash affected area with soap and water. Wash clothing before reuse. INHALATION: Remove victim to fresh air. INGESTION: Drink 3-4 glasses of water or milk. Induce vomiting only if advised by a physician. If vomiting occurs, give additional fluids. Never give anything by mouth to an unconscious person. In all cases consult a physician.

SECTION 6 - REACTIVITY DATA

STABILITY: Stable under normal conditions

INCOMPATIBILITY: Strong acids; strong alkalis.

SECTION 7 - SPILL or LEAK PROCEDURES

SPILLAGE: Flush down drain or contain spill and absorb with Ban-dri, earth, sand or similar inert material

WASTE DISPOSAL METHOD: In a manner consistent with federal, state and local regulations.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 8 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Can use N-IOSH respirator.

VENTILATION: Local exhaust sufficient.

GLOVES: Rubber or plastic coated should be used.

EYE PROTECTION: Safety glasses or shield if splashing expected.

OTHER PROTECTIVE EQUIPMENT: Clothing cover can be used.

SECTION 9 - SPECIAL PRECAUTIONS

Do not get in eyes or on skin. Wash thoroughly after handling. Use with adequate ventilation. Store away from other chemicals and out of the reach of children. Store in a closed container away from fire and extreme heat. Keep from freezing. Use protective equipment.

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