

**MATERIAL SAFETY DATA SHEET**  
**ZOOM Drain Care System (Liquid Drain Opener)**  
**MSDS DATE:9/17/08**

FILE NO.: B

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**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

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**PRODUCT NAME:** ZOOM Drain Care System (Liquid Drain Opener)  
**SYNONYMS:**  
**PRODUCT CODES:**

**MANUFACTURER:** BO-MAR INDUSTRIES, INC.  
**DIVISION:**  
**ADDRESS:** 3620 Commerce Drive #710

**EMERGENCY PHONE:** 443-709-0515  
**CHEMTREC PHONE:**  
**OTHER CALLS:** 888-898-CHEM  
**FAX PHONE:** 443-709-0527

**CHEMICAL NAME:**  
**CHEMICAL FAMILY:** Water-Borne Emulsion  
**CHEMICAL FORMULA:** Surfactantsnts, Buffering agents, Sodium Hydroxide, D-Limonene, Emulsifying agents

**PRODUCT USE:** Drain Opener for Kitchen Sinks, Bath Tubs, and Bathroom Sinks  
**PREPARED BY:** Kyle Boone

**SECTION 1 NOTES:**

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**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS N.A. = Not Applicable N.E = Not Established**

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**INGREDIENT:**

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>
5989-27-5	<5%	
1310-73-2	<15% compound solution	
	<u>ppm</u>	<u>mg/m3</u>
OSHA PEL-TWA:	N.E	N.E
OSHA PEL STEL :	N.E	N.E
OSHA PEL CEILING:	N.E	N.E
ACGIH TLV-TWA:	N.E	N.E
ACGIH TLV STEL:	N.E	N.E
ACGIH TLV CEILING:	N.E	N.E

**SECTION 2 NOTES:**

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**SECTION 3: HAZARDS IDENTIFICATION**

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**EMERGENCY OVERVIEW:** Non-Flammable aqueous, Mild skin irritant, Wash hands if you come in contact

**ROUTES OF ENTRY:** Do not drink. Do not handle without gloves.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Will cause irritation to eyes. Flush continuously with water and consult a physician

**SKIN:** Will cause irritation to skin. Wash with soap and water, then apply moisturizing lotion or petroleum jelly

**INGESTION:** May cause gastrointestinal irritation, vomiting, nausea.

**INHALATION:** Non-Fume producing, Equivalent to citrus solvent

**ACUTE HEALTH HAZARDS:** N.E.

**CHRONIC HEALTH HAZARDS:** N.E.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** N.E.

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**CARCINOGENICITY**

OSHA: N.E  
OTHER: N.E

ACGIH: N.E.

NTP: N.E.

IARC: N.E.

SECTION 3 NOTES: N.E.

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**SECTION 4: FIRST AID MEASURES**

**EYES:** Will cause irritation to eyes. Flush continuously with water and consult a physician

**SKIN:** Will cause irritation to skin. Wash with soap and water, then apply moisturizing lotion or petroleum jelly

**INGESTION:** May cause gastrointestinal irritation, vomiting, nausea.

**INHALATION:** Non-Fume producing, Equivalent to citrus solvent

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** ZOOM contains non-toxic, biodegradable ingredients.

SECTION 4 NOTES:

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**SECTION 5: FIRE-FIGHTING MEASURES**

N.A. = Not Applicable N.E = Not Established

**FLAMMABLE LIMITS IN AIR, UPPER:** N.E.  
(% BY VOLUME) **LOWER:** N.E.

**FLASH POINT:**

F: N.E.

C: N.E.

**METHOD USED:** N.E.

**AUTOIGNITION TEMPERATURE:**

F: N.E.

C: N.E.

**NFPA HAZARD CLASSIFICATION**

HEALTH: N.E.

FLAMMABILITY: N.E.

REACTIVITY: N.E.

OTHER: N.E.

**HMIS HAZARD CLASSIFICATION**

HEALTH: N.E.

FLAMMABILITY: N.E.

REACTIVITY: N.E.

PROTECTION:

**EXTINGUISHING MEDIA:** N.A.

**SPECIAL FIRE FIGHTING PROCEDURES:** N.A.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** N.A.

**HAZARDOUS DECOMPOSITION PRODUCTS:** <5% Sodium Hydroxide, flush with water to dilute.

SECTION 5 NOTES:

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**ACCIDENTAL RELEASE MEASURES:** N.A.

SECTION 6 NOTES:

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**SECTION 7: HANDLING AND STORAGE**

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**HANDLING AND STORAGE:** Store in cool, dry area

**OTHER PRECAUTIONS:** N.A.

**SECTION 7 NOTES:**

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**      N.A. = Not Applicable    N.E = Not Established

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**ENGINEERING CONTROLS:** N.A.

**VENTILATION :** Normal Ventilation is okay. No special ventilation is necessary

**RESPIRATORY PROTECTION:** N.A.

**EYE PROTECTION:** Always use proper Eye protection when using any household chemical

**SKIN PROTECTION:** Always use proper Skin protection when using any house hold chemical such as rubber gloves

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** N.A.

**WORK HYGIENIC PRACTICES:** Always check to ensure there is no contact with skin after using product.

**EXPOSURE GUIDELINES:** N.A.

**SECTION 8 NOTES:**

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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**APPEARANCE:** Milky, Amber, and or orange

**ODOR:** Citrus Orange

**PHYSICAL STATE:**

**pH AS SUPPLIED:** >8  
**pH (Other):** <14

**BOILING POINT:**  
F: N.E.  
C: N.E.

**MELTING POINT:**  
F: N.E.  
C: N.E.

**FREEZING POINT:**  
F: <32  
C: N.E.

**VAPOR PRESSURE (mmHg):**  
@  
F: N.E.  
C: N.E.

**VAPOR DENSITY (AIR = 1):**  
@  
F: N.E.  
C: N.E.

**SPECIFIC GRAVITY (H2O = 1):**  
@  
F: N.E.  
C: N.E.

**EVAPORATION RATE:**

**BASIS (=1):** N.E.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)**

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SOLUBILITY IN WATER: 100%

PERCENT SOLIDS BY WEIGHT: <15%

PERCENT VOLATILE:  
BY WT/ BY VOL @  
F: N.E.  
C: N.E.

VOLATILE ORGANIC COMPOUNDS (VOC):

WITH WATER: N.E. LBS/GAL  
WITHOUT WATER: N.E. LBS/GAL

MOLECULAR WEIGHT:

VISCOSITY:  
@  
F: N.E.  
C: N.E.

SECTION 9 NOTES:

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**SECTION 10: STABILITY AND REACTIVITY** N.A. = Not Applicable N.E = Not Established

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STABLE

UNSTABLE

STABILITY: X

CONDITIONS TO AVOID (STABILITY): N.E.

INCOMPATIBILITY (MATERIAL TO AVOID): N.E.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: N.E.

HAZARDOUS POLYMERIZATION: N.E.

CONDITIONS TO AVOID (POLYMERIZATION): N.E.

SECTION 10 NOTES:

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**SECTION 11: TOXICOLOGICAL INFORMATION** N.A. = Not Applicable N.E = Not Established

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TOXICOLOGICAL INFORMATION:

SECTION 11 NOTES: N.E.

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**SECTION 12: ECOLOGICAL INFORMATION** N.A. = Not Applicable N.E = Not Established

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ECOLOGICAL INFORMATION:

SECTION 12 NOTES: N.E.

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**SECTION 13: DISPOSAL CONSIDERATIONS** N.A. = Not Applicable N.E = Not Established

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WASTE DISPOSAL METHOD: Material may be washed or rinsed into normal sanitary systems.

RCRA HAZARD CLASS: N.E.

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**SECTION 13: DISPOSAL CONSIDERATIONS (con't)**

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SECTION 13 NOTES:

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**SECTION 14: TRANSPORT INFORMATION**      N.A. = Not Applicable    N.E = Not Established

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**U.S. DEPARTMENT OF TRANSPORTATION**

**PROPER SHIPPING NAME:** Zoom Drain Cleaner  
**HAZARD CLASS:** Consumer Product ORM-D  
**ID NUMBER:** N.E.  
**PACKING GROUP:** N.E.  
**LABEL STATEMENT:** May be washed or rinsed into normal sanitary systems

**WATER TRANSPORTATION**

**PROPER SHIPPING NAME:** N.E.  
**HAZARD CLASS:** N.E.  
**ID NUMBER:** N.E.  
**PACKING GROUP:** N.E.  
**LABEL STATEMENTS:** N.E.

**AIR TRANSPORTATION**

**PROPER SHIPPING NAME:** N.E.  
**HAZARD CLASS:** N.E.  
**ID NUMBER:** N.E.  
**PACKING GROUP:** N.E.  
**LABEL STATEMENTS:** N.E.

**OTHER AGENCIES:** N.E.

SECTION 14 NOTES:

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**SECTION 15: REGULATORY INFORMATION**      N.A. = Not Applicable    N.E = Not Established

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**U.S. FEDERAL REGULATIONS**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** N.E.  
  
**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** N.E.  
  
**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):** N.E.  
  
**311/312 HAZARD CATEGORIES:** N.E.  
  
**313 REPORTABLE INGREDIENTS:** <5% D'Limonene, <15% sodium Hydroxide solution

**STATE REGULATIONS:** N.E.

**INTERNATIONAL REGULATIONS:** N.E.

SECTION 15 NOTES:

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**SECTION 16: OTHER INFORMATION**

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**OTHER INFORMATION:** N.E.

**PREPARATION INFORMATION:** Ready to Use

**DISCLAIMER:** This product is used for the sole purpose of opening drains in a safe, non-toxic, and biodegradable fashion. There are no known DEA regulated products in this formulation. This formulation was engineered with safety in mind by use of buffering agents.