

MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT BIO-STAT

FILE NO.: 378
MSDS DATE: 12 /18 /06

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Bio Stat Original #C213
SYNONYMS:
PRODUCT CODES: C213

MANUFACTURER: Chemax Corporation
DIVISION:
ADDRESS: PO BOX 7453
Beaumont, TX 77726

EMERGENCY PHONE: 409/866-4232
CHEMTREC PHONE: 1-800-255-3924
OTHER CALLS: 409/866-4232
FAX PHONE: 409-866-4424

CHEMICAL NAME: mixture
CHEMICAL FAMILY:
CHEMICAL FORMULA:

PRODUCT USE: drain degreaser/deoderizer
PREPARED BY: Bruce Riffel

SECTION 1 NOTES:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT:

<u>Name</u>	<u>CAS NO.</u>	<u>PEL</u>	<u>TLV</u>	<u>% WT</u>	<u>SARA 313</u>
1, 8-P-MENTHADIENE	5989-27-5	NE	NE		
ISOPARAFINIC HYDROCARBON	64742-47-8	400 PPM	400 PPM		

SECTION 2 NOTES:

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Aerosol under pressure do not expose to high temperatures or store in direct sunlight. Pressure can cause splashing of chemical.

ROUTES OF ENTRY: Skin, Eyes, Ingestion, Inhalation

POTENTIAL HEALTH EFFECTS

EYES: Irritation likely

SKIN: Mild irritation likely may cause localized defatting.

INGESTION: Gastric discomfort

INHALATION: DIZZINESS. PROLONGED EXPOSURE MAY LEAD TO UNCONSCIOUSNESS

ACUTE HEALTH HAZARDS:

CHRONIC HEALTH HAZARDS: None known

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

CARCINOGENICITY

OSHA: No ACGIH: No NTP: No IARC: No
OTHER:

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SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: Flush with water for 15 minutes. Contact physician if irritation persist

SKIN: Wash with soap and water for 15 minutes. If irritation develops seek medical attention.

INGESTION: Give person 2 glasses water if conscious and alert. Contact physician; do not induce vomiting unless directed by medical authority.

INHALATION: Move to fresh air. If not breathing administer artificial respiration.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: 6.1
(% BY VOLUME) **LOWER:** .7

FLASH POINT:

F: > 150

C:

METHOD USED: TCC

AUTOIGNITION TEMPERATURE: N/A

F:

C:

NFPA HAZARD CLASSIFICATION

HEALTH: 1 **FLAMMABILITY:** 2 **REACTIVITY:** 1
OTHER:

HMIS HAZARD CLASSIFICATION

HEALTH: 1 **FLAMMABILITY:** 2 **REACTIVITY:** 1
PROTECTION: B

EXTINGUISHING MEDIA: ABC Dry chemical fire extinguisher

SPECIAL FIRE FIGHTING PROCEDURES: Wear SCBA in fire situations

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents under pressure exposure to high temperatures above 120F can cause bursting.

HAZARDOUS DECOMPOSITION PRODUCTS: oxides of carbon

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Use absorbent on spill sweep to clean. Dispose in accordance with local, state and federal laws. Small releases may be wiped up with wiping material.

SECTION 6 NOTES:

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SECTION 7: HANDLING AND STORAGE

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HANDLING AND STORAGE: DO NOT USE OR STORE
NEAR HEAT OR OPEN FLAME. EXPOSURE TO TEMPERATURES ABOVE 120 F MAY CAUSE
BURSTING.

OTHER PRECAUTIONS:

SECTION 7 NOTES:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

VENTILATION : Normal, forced ventilation should not be required

RESPIRATORY PROTECTION: If exposure levels are exceeded then organic vapor cartridge respirator or SCBA will be needed.

EYE PROTECTION: safety glasses

SKIN PROTECTION: Impervious gloves such as neoprene can be used

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WORK HYGIENIC PRACTICES: Wash hands after use.

EXPOSURE GUIDELINES: see Section 2

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: reddish-orange liquid

ODOR: citrus

PHYSICAL STATE: liquid

pH AS SUPPLIED: N/A

pH (Other):

BOILING POINT:

F: 352

C: 178

MELTING POINT:

F: not tested

C:

FREEZING POINT:

F: not tested

C:

VAPOR PRESSURE (mmHg):

30 @

F: 77

C:

VAPOR DENSITY (AIR = 1):

4.7 @

F: 77

C:

SPECIFIC GRAVITY (H2O = 1):

.84 @

F: 77

C:

EVAPORATION RATE: <1

BASIS (Butyl Acetate =1):

SOLUBILITY IN WATER: emulsion forming

PERCENT SOLIDS BY WEIGHT: not tested

PERCENT VOLATILE: Not tested

70 BY WT/ BY VOL @

F: 77

C:

VOLATILE ORGANIC COMPOUNDS (VOC):

588 g/l

MOLECULAR WEIGHT: mixture N/A

VISCOSITY:

@

F:

C:

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

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SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABLE

UNSTABLE

STABILITY: XXX

CONDITIONS TO AVOID (STABILITY): temperatures above 120F

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizers

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: oxides of carbon

HAZARDOUS POLYMERIZATION: none

CONDITIONS TO AVOID (POLYMERIZATION):

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

Contains oil do not let residue come in contact with waterways in the United States

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with local, State and Federal regulations

RCRA HAZARD CLASS: Considered Non-hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION 13: DISPOSAL CONSIDERATIONS (con't)

SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: ORM-D

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENT:

WATER TRANSPORTATION

PROPER SHIPPING NAME: Call manufacturer

HAZARD CLASS:

ID NUMBER:

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PACKING GROUP:
LABEL STATEMENTS:

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AIR TRANSPORTATION Call manufacturer

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

OTHER AGENCIES:

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All Chemicals are listed

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): none

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): none

311/312 HAZARD CATEGORIES: none

313 REPORTABLE INGREDIENTS: none

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION: Bruce Riffel

DISCLAIMER: