

# MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT BIO-STAT

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

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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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:

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## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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### 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:

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## SECTION 3: HAZARDS IDENTIFICATION

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**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

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### CARCINOGENICITY

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

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SECTION 3 NOTES:

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## SECTION 4: FIRST AID MEASURES

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**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:

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## SECTION 5: FIRE-FIGHTING MEASURES

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**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:

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**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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NAME OF PRODUCT BIO-STAT  
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:

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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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:

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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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:

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

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SECTION 9 NOTES:

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## SECTION 10: STABILITY AND REACTIVITY

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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:

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## SECTION 11: TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL INFORMATION:

SECTION 11 NOTES:

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## SECTION 12: ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION:

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

SECTION 12 NOTES:

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## SECTION 13: DISPOSAL CONSIDERATIONS

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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).

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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

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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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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:

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## SECTION 15: REGULATORY INFORMATION

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### 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:

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## SECTION 16: OTHER INFORMATION

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OTHER INFORMATION:

PREPARATION INFORMATION: Bruce Riffel

DISCLAIMER: