

# MATERIAL SAFETY DATA SHEET

EMERGENCY PHONE: 1-800-346-0132  
CHEMTREC PHONE: 1-800-255-3924

A182 BIO-STAT A

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**NFPA RATING:**

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HEALTH:	1	FLAMMABILITY:	2	REACTIVITY:	1	SPECIAL:
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**HMIS RATING:**

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HEALTH:	1	FLAMMABILITY:	2	REACTIVITY:	1	PERSONAL PROTECTION:	A
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**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

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PRODUCT NAME: BIO-STAT A

PRODUCT CODES: A182

PRODUCT USE: High-Pressure, Water-Soluble Degreaser

MANUFACTURER: Chemax Corporation  
ADDRESS: P O Box 7453  
Beaumont TX 77726-7453

DATE PREPARED: 10/12/09  
PREPARED BY: R Hinshaw

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**SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS**

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<u>INGREDIENT NAME:</u>	<u>CAS NO.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>% WT</u>	<u>SARA 313</u>
1, 8-P-MENTHADIENE	5989-27-5	N/E	N/E		
CARBON DIOXIDE	124-38-9	5000 ppm	5000 ppm		

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**SECTION 3: HAZARDS IDENTIFICATION**

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EMERGENCY OVERVIEW: Keep out of reach of children. Aerosol can under pressure.

ROUTES OF ENTRY: Eyes. Skin. Ingestion. Inhalation.

**POTENTIAL HEALTH EFFECTS:**

EYES: May cause irritation.

SKIN: May cause mild irritation and defatting of skin.

INGESTION: Gastric discomfort. Nausea.

INHALATION: Dizziness and/or headache. Prolonged exposure may lead to unconsciousness.

CHRONIC HEALTH HAZARDS: None known.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.

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## SECTION 4: FIRST AID MEASURES

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**EYES:** Flush with large amounts of running water for 15 minutes. If irritation persists, seek medical attention.

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

**INGESTION:** Do NOT induce vomiting. Drink 2 large glasses of water if conscious and alert. Seek immediate medical attention.

**INHALATION:** Remove to fresh air. Resuscitate if necessary. Seek medical attention.

**NOTES TO PHYSICIAN OR FIRST AID PROVIDER:**

**SECTION 4 NOTES:**

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## SECTION 5: FIRE-FIGHTING MEASURES

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**FLAMMABLE LIMITS IN AIR (% by volume):** UPPER: 7.0 LOWER: 6.1

**FLASH POINT (Method Used: TCC):** 122 F

**FLAMMABILITY (as per USA Flame Projection Test):**

**AUTO IGNITION TEMPERATURE:** N/A

**EXTINGUISHING MEDIA:** Dry chemical.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Do not expose to temperatures above 120 F or container may rupture.

**SECTION 5 NOTES:**

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**ACCIDENTAL RELEASE MEASURES:** Use absorbent on spill. Clean up. Small releases may be wiped up with wiping material.

**SECTION 6 NOTES:** Dispose of residue in accordance with all federal, state and local regulations.

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## SECTION 7: HANDLING AND STORAGE

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**HANDLING AND STORAGE:** Store in a cool, dry area. Do not use near heat or flame. Do not store at temperatures above 120 F.

**OTHER PRECAUTIONS:** Keep out of reach of children. Avoid food contamination.

**SECTION 7 NOTES:**

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## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

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### ENGINEERING CONTROLS:

VENTILATION : Normal. Adequate ventilation to keep vapor concentration below TLV.

RESPIRATORY PROTECTION: If vapor concentration exceeds TLV, use respirator approved by NIOSH for organic vapor or SCBA.

EYE PROTECTION: Safety glasses.

SKIN PROTECTION: Solvent-resistant gloves such as neoprene may be used.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None.

WORK HYGIENIC PRACTICES: Wash hands thoroughly after use. Keep away from food and drink.  
Handle in accordance with good industrial hygiene and safety practices.

### EXPOSURE GUIDELINES:

### SECTION 8 NOTES:

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: Orange, clear liquid

ODOR: Citrus odor

PHYSICAL STATE: Liquid

pH: N/A

BOILING POINT: 345 F

MELTING POINT: Not tested

VAPOR PRESSURE (mm Hg): 1 @ 77 F

VAPOR DENSITY (AIR = 1): > 1 @ 77 F

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 0.82 @ 77 F

EVAPORATION RATE (Butyl Acetate = 1): < 1

SOLUBILITY IN WATER: Will emulsify

TOTAL VOC (Volatile Organic Compounds) (% by weight):

TOTAL VOC (Volatile Organic Compounds) (grams / Liter): 820 g/L

PERCENT VOLATILE (by WT / by VOL): 100%

### SECTION 9 NOTES:

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## SECTION 10: STABILITY AND REACTIVITY

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STABILITY: Stable.

CONDITIONS TO AVOID: Temperatures above 120 F.

INCOMPATIBILITY (Material to Avoid): Strong oxidizers.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 10 NOTES:

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## SECTION 11: TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL INFORMATION: No specific toxicological data is available for this product.

SECTION 11 NOTES: Please refer to Section 3 for information on potential health effects.

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## SECTION 12: ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION: Contains oil-like substance (terpene). Do not let residue come in contact with waterways in the US.

SECTION 12 NOTES: Please refer to Section 6 for information regarding spills and Section 15 for regulatory information.

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## SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: Dispose of residue in accordance with all federal, state and local regulations.  
Do not puncture or incinerate container. Wrap container and place in trash collection.

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

SECTION 13 NOTES: Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.

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## SECTION 14: TRANSPORT INFORMATION

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### U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Consumer Commodity, ORM-D  
HAZARD CLASS: 2.1  
UNID NUMBER: 1950  
PACKING GROUP: No packing group  
TYPE: Aerosol / Flammable

### WATER TRANSPORTATION

PROPER SHIPPING NAME: Consumer Commodity, ORM-D  
HAZARD CLASS: 2.1  
UNID NUMBER: 1950  
PACKING GROUP: No packing group  
TYPE: Aerosol / Flammable

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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 EPCRA (Superfund Amendments and Reauthorization Act):

Section 311 – 312: Hazardous Chemical Inventory: None

Section 313: Toxic Chemical Release Inventory: None

CALIFORNIA PROPOSITION 65:

Known to the State of California to cause birth defects or other reproductive harm: None

Known to the State of California to cause cancer: None

### CARCINOGEN OR POTENTIAL CARCINOGEN:

OSHA: No

ACGIH: No

NTP: No

IARC: No

### STATE REGULATIONS:

### SECTION 15 NOTES:

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## SECTION 16: OTHER INFORMATION

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PREPARATION INFORMATION: R Hinshaw

DISCLAIMER: Information provided in this MSDS is correct to the best of our knowledge, information and belief at publication date.