

MATERIAL SAFETY DATA SHEET



PINNACLE CLASS B 3% AFFF CONCENTRATE

Date Prepared: March 26, 2014

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: PINNACLE CLASS B 3% AFFF CONCENTRATE

MANUFACTURER/SUPPLIER:

Hazard Control Technologies, Inc.
150 Walter Way
Fayetteville, GA 30214

EMERGENCY TELEPHONE NUMBERS:

(770) 719-5112 Ext.22

HEALTH AND SAFETY INFORMATION:

(770) 719-5112

CHEMICAL NAME: Not applicable: Blend

GENERAL PRODUCT INFORMATION:

(770) 719-5112

CHEMICAL FAMILY: Surfactant

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

The composition of this mixture is proprietary information. In the event of a medical emergency, compositional information will be provided to a physician or nurse.

This product is not hazardous as defined in RCRA, 40 CFR261 based on compositional information.

OSHA HAZARD	COMPONENT
Not Listed	Diethylene Glycol Butyl Ether
Not Listed	Hydrocarbons surfactants
Regulated	Polyfluoroalkyl Betaine
Not Listed	Magnesium Sulfate

SECTION 3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: May cause mild transient irritation

SKIN CONTACT: May cause mild transient irritation

INHALATION: Inhalation is not anticipated to be a problem.

INGESTION: Low oral risk when used as intended.

SECTION 4. FIRST AID MEASURES

EYE CONTACT: Flush with large amounts of water; if irritation persists, seek medical attention.

SKIN CONTACT: Wash with soap and water; if irritation persists, seek medical attention.

INHALATION: Remove victim to fresh air. Seek medical attention if discomfort continues.

INGESTION: If patient is conscious, give large amounts of water and induce vomiting. Seek medical help.

SECTION 5. FIREFIGHTING PROCEDURES

FLASHPOINT: Not Applicable

LEL: Not Applicable

FLAMMABLE LIMITS: Not Applicable

AUTOIGNITION TEMPERATURE: Not Available

SECTION 6. ACCIDENTAL RELEASE MEASURES

INDOOR SPILL

Rinse floor thoroughly with water as material is slippery. Prevent material from reaching sewers or waterways to avoid nuisance foaming.

LAND SPILL

Recover as much as possible of Pinnacle Class B 3% AFFF Concentrate and discard material in closed labeled container for disposal. Dispose of in accordance with local, state and federal regulations.

WATER SPILL

Dike or contain any spill. Avoid direct discharge into any body of water. Diluted product may be acceptable in municipal wastewater treatment plants. Consult local authorities. Dispose of in accordance with local, state and federal regulations.

SECTION 7. STORAGE AND HANDLING

STORAGE TEMPERATURE, DEG F: 28°F to +120°F (-2°C to +49°C)

STORAGE/TRANSPORT PRESSURE, MMHG: Atmospheric

STORAGE AND HANDLING: Store in original container and keep container closed. Handle and open containers with care. Store in a cool, well ventilated place away from incompatible materials. Protect material from direct sunlight. Do NOT pressurize, cut, heat, or weld containers. Do NOT reuse empty containers without commercial cleaning or reconditioning. Follow the instructions as mentioned on the container. Do not mix different types and brands of concentrates as they may be incompatible

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE CONTROLS: Ventilation should be provided to control worker exposures and prevent health risk.

PERSONAL PROTECTION: For open systems with good ventilation and where contact is likely, wear long sleeves, chemical resistant gloves, and chemical goggles. In confined spaces, where contact may occur, wear in addition to the above, rubber boots and respiratory protection. Typically respiratory protection is not required under normal conditions of use. If vapors reach bothersome levels, and engineering work practices or other means of exposure reduction are not adequate, provide ventilation or wear NIOSH-approved respirator equipped with organic vapor cartridges. Eye wash and safety showers are good safety practice as well.

EXPOSURE GUIDELINES: Acute Overexposure: Irritation of the eyes, skin and mucous membranes. Chronic Overexposure: Delayed kidney injury, possible liver damage.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear orange colored liquid, mild sweet odor

SPECIFIC GRAVITY: 1.00-1.02

VAPOR PRESSURE (mm Hg): Not Determined

BOILING POINT: 100°C @ 760 mm Hg

SOLUBILITY IN WATER, WT. % @ DEG F: 100% (complete)

EVAPORATION RATE: 0.48 (Butyl Acetate = 1)

SECTION 10. STABILITY AND REACTIVITY

STABILITY: Product is stable

HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION: None

CONDITIONS TO AVOID INSTABILITY: Do not mix different types and brands of foam concentrate in storage.

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY: Reactive Metals, any materials reactive with water and live electrical connections

HAZARDOUS DECOMPOSITION PRODUCTS: None identified

SECTION 11. TOXICOLOGY INFORMATION

PLEASE CALL THE NON-EMERGENCY TELEPHONE NUMBER ON
PAGE 1 IF INFORMATION IS REQUIRED.

AQUATIC TOXICITY: Water Flea (*Daphnia magna*) EC50 (24hrs) 13800 ppm

CHRONIC EFFECTS:

Delayed kidney injury, possible liver damage.

Carcinogenicity: No ingredient listed as a carcinogen by IARC or ACGIH.

Teratogenicity, mutagenicity, other reproductive effects: Non-mutagenic (OECD Guideline Section 471, Paris, 1997).

SENSITIZATION TO MATERIAL: Irritation of the eyes, skin and mucous membranes

SYNERGISTIC MATERIALS: None known.

SECTION 12. ECOLOGICAL INFORMATION

PLEASE CALL THE NON-EMERGENCY TELEPHONE NUMBER ON
PAGE 1 IF INFORMATION IS REQUIRED

Pinnacle Class B 3% AFFF Foam Concentrate contains no ingredients reportable under Superfund Amendments and Reauthorization Act (SARA) Title III, Section 313 of 40 CFR-372 or the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) as of July 1, 1995.

Biological Oxygen Demand (BOD₅) (mg/L) (EPA 405.1)345,600 at 3%
Chemical Oxygen Demand (COD) (mg/L) (EPA 410.4)346,778 at 3%

BIODEGRADABILITY: Biodegradable

SECTION 13. DISPOSAL CONSIDERATIONS

WATER DISPOSAL: The product can be successfully treated in biological waste water system with proper dilution. Local legal regulations should be complied for discharge into common drainage/ sewage systems.

SECTION 14. TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT): This product is not regulated by DOT

PROPER SHIPPING NAME: Firefighting chemicals

HAZARD CLASS: None

UN NUMBER: None

SECTION 15. REGULATORY INFORMATION

TSCA: All components of this product are listed on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

CERCLA: If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act. We recommend you contact local authorities to determine if there may be other local reporting requirements.

SARA TITLE III: The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of an annual A Toxic Chemicals Release Inventory report under 40 CRF 372. Chemical substances that must be accounted for under SARA Section 313 must also be identified in all product MSDSs that are impacted by the regulation. No chemical components present in this product exceed the de minimus reporting level established under this statute.

EXTREMELY HAZARDOUS SUBSTANCES (EHS) LIST: There are no components of this material with known CAS numbers on the Extremely Hazardous Substances (EHS) list. Based on available information, this material contains the following components, which are classified as the following health and /or physical hazards.

SECTION 16. OTHER INFORMATION

HAZARD RATING SYSTEMS:

This information is for people trained in the following
National Fire Protection Association (NFPA 704) **Identification of the Fire Hazards of Materials**

NFPA 704

HEALTH HAZARD	1
FLAMMABILITY	0
INSTABILITY	0
SPECIAL HAZARDS	n/a

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.