

# BAC-AZAP®

Eliminates Organic Odor, Organic Stains and  
Removes Drain Fly, Phorid Fly and Fruit Fly Breeding Sites  
Odor Encapsulation Technology

Biodegradable • Salmonella Free • Non-Caustic • Non-Pathogenic • Low Toxicity  
• Contains Active Live Bacteria and Enzymes

## KEEP OUT OF REACH OF CHILDREN CAUTION

**DESCRIPTION:** BAC-AZAP is composed of multiple strains of specifically bred bacteria that directly attack odor causing organic matter, eliminating the source of odors. BAC-AZAP actually captures and destroys the odors, instead of simply covering them up. BAC-AZAP chemical formulation instantly binds odor causing molecules. It is unsurpassed in controlling odors caused by urine, feces, vomit, grease, fats, proteins, decomposing plant and animal matter, garbage odors, pet odors and other organic matter. It is especially effective in eliminating skunk odors and drain fly, phorid fly and fruit fly habitats.

BAC-AZAP can be used in inedible product processing areas, non processing areas, and/or exterior areas of official establishments operating under the Federal meat, poultry, shell egg grading and egg products inspection programs.

**NOTE:** Do not use on food contact or food preparation surfaces.

**DIRECTIONS FOR USE:** BAC-AZAP is furnished full strength and ready to use for the toughest applications. In cases where the product is applied periodically as part of an ongoing maintenance program, the product may be diluted with one (1) or two (2) parts water in order to maximize coverage.

**FOAMING:** BAC-AZAP may be applied as a foam using an applicator device designed to create foam solutions. Place BAC-AZAP into the applicator at one hundred (100)% concentration, do not dilute. BAC-AZAP is specially formulated to be used in conjunction with ProFoam Platinum foam concentrate and may be applied as a foam into drain lines, to organic debris under heavy kitchen equipment, into wall voids where organic materials or dead rodents may cause odor concerns and onto walls of garbage cans and dumpsters.

**DRAIN FLY HABITATS:** For best results, apply product at end of day for overnight action on habitats and breeding sites. If drains are not used regularly, pour two (2) to three (3) gallons of warm water into drain opening to moisten drain surfaces before treatment.

**START-UP:** Apply four (4) to six (6) ounces to each drain where drain fly activity is present. Continue daily for five (5) to ten (10) days.

**MAINTENANCE:** Apply four (4) to six (6) ounces one (1) to two (2) times per week.

**PHORID & FRUIT FLY HABITATS:** For best results, apply product at end of day for overnight action on habitats and breeding sites. Use as a wash on all floors where food or other contamination may be used as food sources and breeding sites. In sewage overflow or pipe breakage situations, soak affected areas after removal of contaminants.

**WALL VOIDS:** BAC-AZAP can be applied into wall voids or other inaccessible areas by spray injection or in conjunction with a foam applicator.

**CRAWL SPACES & BASEMENTS:** Spray onto surfaces or dirt in crawl spaces, that may produce or retain odors from mold, mildew, sewage, wildlife and pets. Apply at the rate of one (1) quart of solution per one hundred (100) square feet.

**WALLS, FLOORS & CARPETS:** Begin by thoroughly cleaning areas with appropriate materials and methods. Spray BAC-AZAP on all surfaces where odors might originate including wall surfaces, floors and carpets. Apply at the rate of one (1) quart per one hundred (100) square feet of surface area (approximately three (3) fluid ounces per square yard). **NOTE:** Although BAC-AZAP is designed to be non-staining, always test surface for colorfastness in an inconspicuous area before treating entire surface.

BAC-AZAP may also be fogged into confined areas, such as crawl spaces or attics using a fogging device. Dilute product two (2) parts water to one (1) part BAC-AZAP (2:1) and apply as a fog at a rate of one (1) gallon of mixed solution per one thousand (1000) cubic feet of confined space. NOTE: Do not fog BAC-AZAP into areas where people or pets are present. Wait until fog has dissipated before re-entry.

**COMPOSTING:** Mix six (6) to eight (8) ounces BAC-AZAP to one (1) gallon water. Pour evenly over compost pile two (2) times per week. The solution can treat up to 50 cubic feet of compost. For best results, turn and mix compost pile while adding the BAC-AZAP solution. To speed up the composting process, make 1 gallon solution of water-soluble fertilizer and add 8 ounces BAC-AZAP. Pour over compost pile as described above.

**REFUSE CONTAINERS, GARBAGE CANS & DUMPSTERS:** Once unit is empty, rinse with water and liberally spray surfaces with BAC-AZAP. If unit cannot be rinsed with water each time it is emptied, attempt to rinse with water daily or on a regular basis to remove excess soils. Apply BAC-AZAP to the unit as often as possible, to the point of surface wetness to control odors and remove pest habitats.

**BATHROOMS & FLOOR DRAINS:** After cleaning, spray walls and fixtures with a one to one (1:1) or two to one (2:1) dilution of BAC-AZAP to prevent lingering odors. Pour three (3) to four (4) fluid ounces of undiluted BAC-AZAP directly into floor drains and urinals at the end of the day and allow to work overnight.

#### FIRST AID

**IF SWALLOWED:** Drink 2 glasses of water or milk and induce vomiting by touching back of throat with finger. Get immediate medical attention. **IF IN EYES:** Immediately remove any contact lenses if present then flush eyes with gently running water for at least 15 minutes. Get immediate medical attention if irritation persists.

Contains Water (CAS # 7732-18-5), Ethoxylated Alcohol (CAS # 68015-67-8), Nonylphenoxypolyethoxyethanol (CAS # 68412-54-4), a blend of non-pathogenic and enzyme producing bacteria and a proprietary fragrance blend. Harmful if swallowed. Avoid eye contact and prolonged or repeated skin contact. Store in original, closed container away from oxidizers.

V.O.C. CONTENT: 0.6% by weight

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**MATERIAL SAFETY DATA SHEET****BAC-AZAP®****Health Emergencies: CHEMTREC® (800) 424-9300****SECTION I - GENERAL INFORMATION**

CHEMICAL NAMES AND SYNONYMS: Live Organism & Enzyme culture  
 TRADE NAMES & SYNONYMS: BAC-AZAP BIOLOGIC ODOR CONTROL  
 CHEMICAL FAMILY: Non-Pathogenic Bacteria & Enzyme Culture  
 D.O.T. SHIPPING NAME: Not Applicable  
 D.O.T. HAZARD CLASSIFICATION: NOI Non-Hazardous  
 Distributed By: Nisus Corporation  
 100 Nisus Drive  
 Rockford, TN 37853  
 Phone: (800) 264-0870  
 Fax: (865) 577-5825

**SECTION II - HAZARDOUS INGREDIENTS**

NAME	CAS#	%	TVL (UNIT)
Water	7732-18-5	80-90 %	Not Listed
Nonylphenoxyethoxyethanol	68412-54-4	<10	Not Listed
Bacteria & Enzyme Culture	Not Available	<10	Not Listed
Tetrasodium EDTA	64-02-8	<10	Not Listed
Proprietary Fragrance Blend	Not Available	<10	Not Listed
Propylene Glycol	57-55-6	<10	Not Listed

**SECTION III - PHYSICAL DATA**

BOILING POINT: 212°F  
 SPECIFIC GRAVITY: 1.01  
 VAPOR PRESSURE <mm Hg>: Nil  
 % VOLATILE BY VOLUME: 85 - 95  
 SOLUBILITY IN WATER: Dispersable  
 pH: 6-8  
 APPEARANCE & ODOR: White opaque liquid with a pleasant floral scent.  
 FREEZING POINT = 30° F

**SECTION IV - FIRE & EXPLOSION DATA**

FLASH POINT (TEST METHOD): Not Applicable  
 AUTO IGNITION TEMPERATURE: Not Applicable  
 FLAMMABLE LIMITS: Not Applicable  
 EXTINGUISHING MEDIA: Water, Carbon Dioxide, Dry chemical or Foam.  
 SPECIAL FIREFIGHTING PROCEDURES: Wear full protective gear including self contained breathing apparatus.  
 UNUSUAL FIRE & EXPLOSION HAZARDS: Heat may cause product decomposition (See hazardous decomposition products: Section VI).

**SECTION V - HEALTH HAZARD DATA**

OSHA PERMISSIBLE EXPOSURE LIMIT: Not Established for mixture.  
 ACGIH THRESHOLD LIMIT VALUE: Not Established for mixture  
 CARCINOGEN -NTP PROGRAM: Not Listed  
 CARCINOGEN - IARC PROGRAM: Not Listed  
 SYMPTOMS OF EXPOSURE: May cause irritation to eyes, skin, digestive tract or respiratory tract.  
 MEDICAL CONDITIONS AGGRAVATED: None expected  
 PRIMARY ROUTES OF ENTRY: Eye contact and ingestion.

**EMERGENCY FIRST AID**

**EYES:** Immediately flush eyes with running water for at least 15 minutes. Get immediate medical attention. If possible, continue to flush eyes with running water until medical aid is received. Remove & discard contact lenses.  
**SKIN:** Immediately remove any contaminated clothing and flush affected area with running water for at least 15 minutes. Apply a good moisturizing lotion and seek prompt medical attention if irritation develops or persists.  
**INHALATION:** Not Applicable, product is essentially non-volatile.  
**INGESTION:** Immediately drink 2 glasses of water or milk and induce vomiting by tickling the back of throat with finger. Get immediate medical attention.

**SECTION VI - REACTIVITY DATA**

STABILITY: Stable  
 CONDITIONS TO AVOID: Excessive heat.  
 MATERIALS TO AVOID: Acids, alkalis, oxidizing agents and any organic contamination.  
 HAZARDOUS POLYMERIZATION: Will not occur  
 HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon

**SECTION VII - ENVIRONMENTAL PROTECTION PROCEDURES**

SPILL RESPONSE: Dike & contain spill. Pick up solution with a pump, wet vacuum or absorbent. Flush remaining residues to sanitary sewer with copious amount of water.  
 WASTE DISPOSAL METHOD: Dispose of wastes in accordance with all federal, state and local legislation.

**SECTION VIII - SPECIAL PROTECTION INFORMATION**

EYE PROTECTION: Safety goggles or full face shield as needed to avoid contact.  
 SKIN PROTECTION: Rubber, nitrile, neoprene or PVC as needed to prevent contact.  
 RESPIRATORY PROTECTION: None normally required.  
 VENTILATION: None normally required.  
 OTHER PROTECTION: Eyewash facilities suggested.

**SECTION IX - SPECIAL PRECAUTIONS**

HANDLING AND STORAGE PRECAUTIONS: Store in original, closed containers in a cool, dry area away from acids and reducing agents.

MAINTENANCE OF CONTAMINATED EQUIPMENT: Dilute with water until product residue is completely gone.

OTHER PRECAUTIONS: Use this product ONLY AS RECOMMENDED ON THE LABEL AND LITERATURE.

NOTICE: NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY OTHER NATURE ARE MADE WITH RESPECT TO INFORMATION CONCERNING THE PRODUCT REFERRED TO IN THIS MATERIAL SAFETY DATA SHEET.

*The information and recommendations contained in the Material Safety Data Sheet are supplied pursuant to 20 C. F. R. 1910.1200 of the Occupational Safety and Health Standards Hazard Communicator Rule. The information and recommendations set forth herein are presented in good faith and is believed to be correct as of the date hereof. Nisus Corporation, however, makes no representations as to the completeness of accuracy thereof, and information is supplied upon the express condition that the persons receiving the same will be required to make their own determination as to its suitability for their purposes prior to use. In no event will Nisus Corporation be responsible for any damages of any nature whatsoever resulting from the use of reliance upon, or the misuse of this information.*



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