

**No more cover-up.  
Get rid of odor  
at the SOURCE**



## Nothing Else Stacks up

Bac-Azap is a blend of natural organisms that work to encapsulate odor, then consume organic odor-causing matter, eliminating the source of the odor. Available in one-quart and one-gallon containers.

- Works on any organic odor—excellent for eliminating dead animal, urine, skunk and other odors.
- Stops odors in wall voids.
- No other product like it.
- Removes grease build-up in drains.
- Commercial application.
- Can be sold to anyone—not a pesticide.
- Can serve for all your foaming applications.



*Bac-Azap can be used with a foaming agent such as ProFoam® Platinum to keep drains clear.*



*Bac-Azap is perfect for odor control in garbage containers.*

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# BAC-AZAP®

## Eliminates Organic Odor, Organic Stains and Removes Grease Build-Up in Drains Odor Encapsulation Technology

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

**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 removes grease build-up in drain lines.

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.

### 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 contact lenses if present, then flush eyes with gently running water for at least 15 minutes. Get immediate medical attention if irritation persists.

**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 1 or 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 100% concentration, do not dilute. Bac-Azap is specially formulated to be used in conjunction with ProFoam® Platinum foam concentrate and may be applied 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.

**DRAINS & FOOD PREPARATION AREAS:** For best results, apply product at end of day for overnight action. If drains are not used regularly, pour 2 to 3 gallons of warm water into drain opening to moisten drain surfaces before

treatment. Use as a wash on all floors where organic debris or other contamination may be used as a food source. In sewage overflow or pipe breakage situations, soak affected areas after removal of contaminants. **DRAIN GREASE REMOVAL START-UP:** Apply 6 to 8 ounces to each drain wherever grease build-up is present. Continue daily for 5 to 10 days. **DRAIN GREASE PREVENTION MAINTENANCE:** Apply 4 to 6 ounces 1 to 2 times per week to prevent grease build-up.

**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 3 to 4 fluid ounces of undiluted Bac-Azap directly into floor drains and urinals at the end of the day and allow to work overnight.

**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 1 quart of solution per 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 Bac-Azap, floors and carpets. Apply at the rate of 1 quart per 100 square feet of surface area (approximately 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 2 parts water to 1 part BAC-AZAP (2:1) and apply as a fog at a rate of 1 gallon of mixed solution per 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 6 to 8 ounces Bac-Azap to 1 gallon water. Pour evenly over compost pile 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 it 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 organic matter that can act as a food source.

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

#### **WARRANTY DISCLAIMER**

To the extent not prohibited by applicable law, Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. To the extent not prohibited by applicable law, **MANUFACTURER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.**

#### **Inherent Risks of Use**

The directions for use are believed to be adequate and must be carefully followed. It is impossible to eliminate all risks associated with use of this product. Lack of

performance or other unintended consequences may result because of such factors as use of the product contrary to label instructions, abnormal conditions, the presence of other materials, climatic conditions or the manner of application, all of which are beyond the control of the Manufacturer. To the extent not prohibited by applicable law, the buyer/user assumes all such risks.

#### **Limitation of Remedies**

To the extent not prohibited by applicable law the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability or other legal theories) shall be limited to, at Manufacturer's election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used.

To the extent not prohibited by applicable law: a) Manufacturer shall not be liable for losses or damages resulting from handling or use of this product unless Manufacturer is promptly notified of such loss or damage in writing; and b) **IN NO CASE SHALL MANUFACTURER BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OR LOSSES, INCLUDING WITHOUT LIMIT, HEALTH RELATED DAMAGES OR INJURIES.**

The terms of this **Warranty Disclaimer** and **Limitation of Remedies** cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Manufacturer or the seller is authorized to vary or exceed the terms of this **Warranty Disclaimer** or **Limitation of Remedies** in any manner.

It is not intended that this product be used to practice any patent not owned by Nisus Corporation, whether mentioned or not, without procurement of a license (if necessary) from the owner following investigation by the user.



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

CHEMICAL NAMES AND SYNONYMS: Live Organism &amp; Enzyme culture

TRADE NAMES &amp; SYNONYMS: BAC-AZAP BIOLOGIC ODOR CONTROL

CHEMICAL FAMILY: Non-Pathogenic Bacteria &amp; Enzyme Culture

D.O.T. SHIPPING NAME: Not Applicable

D.O.T. HAZARD CLASSIFICATION: NOI Non-Hazardous

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**SECTION II - HAZARDOUS INGREDIENTS**

NAME	CAS#	%	TVL (UNIT)
Water	7732-18-5	80-90%	Not Listed
Nonylphenoxypolyethoxyethanol	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 &lt;mm Hg&gt;: Nil

% VOLATILE BY VOLUME: 85 - 95

SOLUBILITY IN WATER: Dispersible

pH: 6-8

APPEARANCE &amp; 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 &amp; 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, nitrite, 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.

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