

BAC-AZAP[®]

Odor Encapsulation Technology

Bac-Azap is perfect for eliminating dead animal, urine, skunk, smoke and other organically based odors. Use it to eliminate garbage container and wall void odors and to remove grease build-up in drains.

The eco-benign formula of Bac-Azap is formulated to provide powerful odor elimination with a pleasant scent. Bac-Azap has a special blend of seven microbe strains that consume organic materials that cause odors. So for dumpsters, dead rodents, animal odors, urine, feces, vomit – even skunk – Bac-Azap will get the job done. It's also great for foaming into drains to keep commercial kitchens operating at peak performance.

- Biodegradable, salmonella-free, non-caustic, non-pathogenic, non-staining, low toxicity.
- Works on any organic odor.
- Stops odors in wall voids.
- Can be diluted and used in a fogging device to remove odor in confined areas, such as skunk odor in a crawl space.
- Removes grease build-up in drains.
 - Can be used with a foaming agent such as ProFoam[®] Platinum.
- Use it in both commercial and residential applications.
 - Not a pesticide.



NISUS[™]



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

Biodegradable • Salmonella Free • Non-Caustic • Non-Pathogenic • Contains Active Live Bacteria

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.

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

PRODUCT INFORMATION: 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.

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 to maximize coverage.

BATHROOMS & FLOOR DRAINS: After cleaning, spray walls and fixtures with a 1+1 or 2+1 dilution (water + Bac-Azap) to prevent lingering odors. Pour 3 to 4 ounces of undiluted Bac-Azap directly into floor drains and urinals at the end of the day and allow to work overnight.

FOAMING: Bac-Azap may be applied as a foam using an applicator device designed to create foam solutions. Place undiluted Bac-Azap into the applicator; do not dilute. Bac-Azap is specially formulated to be used 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 such as dead rodents may cause odor concerns and onto sides of garbage cans and dumpsters.

START-UP: Apply 4 to 6 ounces to each drain where grease and organic debris is present. Continue daily for 5 to 10 days.

MAINTENANCE: Apply 4 to 6 ounces once or twice a week.

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 may build up. 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 & ATTICS: 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 per 100 square feet.

Bac-Azap may also be fogged into confined areas, such as crawl spaces or attics using a fogging device. Dilute product 2+1 (water + Bac-Azap) and apply as a fog at a rate of 1 quart up to 1 gallon 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.

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 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+1 (water + Bac-Azap) and apply as a fog at a rate of 1 gallon 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 per gallon of water. Pour evenly over compost pile 2 times a week. One gallon 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, add 8 ounces Bac-Azap to 1 gallon of water-soluble fertilizer. 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 and debris. Apply Bac-Azap to the point of surface wetness as often as possible, to control odors and remove organic matter.

WARRANTY DISCLAIMER

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, **EXCEPT AS EXPRESSLY STATED HEREIN,**

MANUFACTURER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY AND EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

The directions for use of this product 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 use/application, all of which are beyond the control of the Manufacturer. The buyer/user assumes all such risks.

Limitation of Remedies

The sole and 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.

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 **IN NO CASE SHALL MANUFACTURER BE LIABLE FOR DIRECT, 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 applicable patent, whether mentioned or not, without procurement of a license, if necessary, from the owner, following investigation by the user.



100 Nisus Drive • Rockford, TN 37853
(800) 264-0870 • www.nisuscorp.com

SAFETY DATA SHEET



Health Emergencies: INFOTRAC® (800) 535-5053

1. PRODUCT AND COMPANY INFORMATION

Product Identity: BAC-AZAP®

Recommended use of the chemical and restrictions on use: Use as a deodorizer for most organic source odors.

Manufacturer: Nisus Corporation
100 Nisus Drive
Rockford, TN 37853

Telephone: Phone: (800) 264-0870
Fax: (865) 577-5825

Emergency Phone: 800-535-5053 (INFOTRAC)

SDS Date of Preparation: 08/10/16

2. HAZARDS IDENTIFICATION

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
1,2-Benzisothiazolin-3-one	2634-33-5	0.02-0.04%
Water	7732-18-5	70-99%
Other proprietary materials	Various	1-29.5%

The exact formulation is being withheld as a trade secret.

4. FIRST AID MEASURES

Eye: Rinse thoroughly with plenty of water, also under eyelids. If symptoms persist, contact call a physician.

Skin: Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions, see a physician.

Ingestion: Rinse mouth immediately and drink plenty of water.

Inhalation: Move victim to fresh air.

Most Important Symptoms: Itch and/or rashes and/or hives

Indication of immediate medical attention/special treatment: Treat symptomatically

5. FIRE FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media: Use media appropriate to area.

Specific hazards arising from the chemical: May cause sensitization of skin.

Special Protective Equipment and Precautions for Fire-Fighting Instructions: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Avoid contact with eyes or skin.

Methods and Materials for Containment and Cleaning Up: Contain spill and pick up and transfer to labeled containers. Soak up with inert absorbent materials.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with the eyes and skin and clothing.

Nonrefillable container. Do not reuse containers. Product residues in empty containers can be hazardous. Follow all SDS precautions when handling empty containers.

Conditions for Safe Storage, Including Any Incompatibilities: Keep container closed. Strong acids and alkalis and strong oxidizing agents may react with product and inactivate bacterial cultures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

This product does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

Others: None

Engineering Controls: Showers, eyewash, ventilation.

Respiratory Protection: No protective equipment needed under normal use. If irritation observed, ventilation may be required.

Skin Protection: Wear protective gloves and protective clothing.

Eye Protection: Wear safety goggles where splashing is possible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor: Clear to tan liquid with pleasant scent

Physical State: Liquid **Odor Threshold:** Not established

Vapor Density: Not Determined

Initial Boiling Point/Range: 212°F (100°C)

Solubility In Water: Dispersible **Vapor Pressure:** Not determined

Relative Density: Not determined

Evaporation Rate: Not determined

Melting/Freezing Point: Not determined **pH:** 6.5-8.8

Percent Volatile: >90% average as water and other volatiles

Octanol/Water Coefficient: Not determined

Solubility: Water

Decomposition Temperature: Not determined

Viscosity: Not determined

Flammability (solid, gas): Not determined

Flashpoint: Not determined **Autoignition Temperature:** None

Flammable Limits: LEL: Not determined **UEL:** Not determined

10. STABILITY AND REACTIVITY

Reactivity: Not normally reactive

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: Material is not known to polymerize.

Conditions to Avoid: Exposure to extreme temperatures.

Incompatible Materials: Avoid strong oxidizing agents and strong alkali and acids which might deactivate the bacterial cultures.

Hazardous Decomposition Products: When heated to decomposition emits oxides of carbon.

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:

Ingestion: No specific information available.

Inhalation: No specific information available.

Eye: No specific information available.

Skin: No specific information available.

Chronic: None known.

Sensitization: Itches, rashes, hives.

Carcinogenicity: None of the components is listed as a carcinogen or suspected carcinogen by IARC, NTP or OSHA.

Germ Cell Mutagenicity: Not expected to cause germ cell mutagenicity.

Reproductive Toxicity: Not expected to cause reproductive toxicity.

Numerical Measures of Toxicity:

Not applicable for this product.

12. ECOLOGICAL INFORMATION

This product is not expected to have any negative ecological effect.

Ecotoxicity:

No negative effect expected.

Persistence and Degradability: No data available for mixture.

Bioaccumulative Potential: No data available for mixture.

Mobility in Soil: No data available for mixture.

Other Adverse Effects: No data available for mixture.

13. DISPOSAL CONSIDERATION

Dispose in accordance with local, state and federal environmental regulations. This material is not deemed hazardous under 40 CFR 261.

14. TRANSPORTATION INFORMATION

DOT Hazardous Materials Description: Not Regulated (unless package contains a reportable quantity)

Not regulated under TDG, MEX, ICAO, IATA, IMDG/IMO, RID, ADR, ADN.

15. REGULATORY INFORMATION

FIFRA: This product is not regulated under FIFRA.

CERCLA: This product is not regulated under CERCLA. Report all spills in accordance with regulations

SARA Hazard Category (311/312): Acute Health

SARA 313: This product contains a chemical subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372)

EPA TSCA Inventory: All of the ingredients in this product are TSCA compliant.

16. OTHER INFORMATION

HMIS Rating:

Health = 1 Flammability = 0 Physical Hazard = 0

SDS Revision History: 05/01/15: New SDS
03/15/20: Revised-I

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