

InVade[™] technology Bio Foam[™]



Super-Concentrated Foaming Microbial/Citrus Liquid to Eat Through Scum and Eliminate Odors

InVade[™] Bio Foam[™] is the single most effective product for eliminating scum, odors and organic build-up in commercial kitchens. Ultra-concentrated InVade[™] Bio Foam[™] is mixed with water in the Foamer Simpson[™] (page 30) or a power foamer at a rate of four oz per gallon (one oz per quart) and applied to cracks, crevices, drains, and surfaces where scum accumulates. The foam and citrus combination attacks the scum and, the premium blend of microbes will eliminate organic build-up and odors quickly and over time. The foam provides a longer contact time, nicely coating scummy areas such as drain covers, the outsides of beverage lines, and baseboard areas. InVade[™] Bio Foam[™] will not be harmed if blended with an IGR and/or pyrethroid or non-repellent insecticide. The applicable pesticide label must be followed in this instance.



Product Codes:
IBFC016
16 oz squeeze-n-measure bottle

IBFC128
1 gallon jug with pump top

InVade[™] technology Bio Foam[™]

**Cleans
Without Harsh
Chemicals or
Odors**

Direction for Use

InVade Bio Foam contains a concentrated blend of premium, natural, scum-eating, odor eliminating microbes, citrus oil and foaming agent. Dilute at a rate of 1 oz per quart of water (4 oz per gallon) and place in the Foamer Simpson or Foamer Simpson Pro or other hand or power foamer. This product will not be harmed if blended with an IGR and/or pyrethroid or non-repellent insecticide. The applicable pesticide label must be followed in this instance. Do not blend with other chemicals. Diluted product will generally last in the foamer and remain efficacious for at least a week. This may not be true for any added insecticide. Apply foam to cracks, crevices, drains and other scummy surfaces and areas. InVade may be used in both food and non-food areas in commercial, residential, industrial, institutional, agricultural, educational and other establishments, as well as transport vehicles (planes, trains, autos, boats, ships). InVade will not harm septic systems. Do not apply directly to food contact surfaces unless the surface is treated with a quaternary ammonia type disinfectant, or steam-disinfected, after treatment. Prime areas to treat include peeling away baseboards, machinery cracks, beverage line bundles, beverage fountain drip trays, and voids around dishwashers and tray conveyors. InVade may also be applied to outdoor areas such as under, around and inside dumpsters and other areas such as the adjacent concrete pad where organic matter tends to accumulate. The foam will take a couple of hours to dissipate and should be left and not washed up. Contact us for recommendations for other applications. Do not apply InVade Bio Foam directly to lakes, streams, or ponds. Rockwell offers other InVade products for these applications. Contact us for further information.

Additional Technical Information: InVade Bio Foam contains a concentrated blend of beneficial soil-derived *Bacillus* spp. microbe spores. The included strains digest fats, oils, and grease (FOG), carbohydrates, proteins, cellulose and urea. The inclusion of the urea eating bacteria makes InVade beneficial for eliminating urine odors. The microbial spores are in a dormant state in the bottle and become active and begin to produce bacterial colonies when their food (organic matter) becomes available. The bacterial colonies then become "enzyme factories" producing the enzymes needed to break down the organic matter. The end products are carbon dioxide and water. While use in conjunction with harsh chemicals and disinfectants is discouraged, the spore-forming bacteria are more resilient than any others to chemicals and can maintain effectiveness in these environments. Similarly, freezing of the product is discouraged, but tests demonstrate that spores are still 98% active after freezing and thawing.

Precautions: Keep out of reach of children. If more than an incidental amount is swallowed, seek medical attention immediately. Give one glass of water and do not induce vomiting. Wash hands well after use. If in eyes, remove contacts and flush with water for 15 minutes. Seek medical attention for any persistent irritation.

Storage and Disposal: Store in a closed, appropriately labeled container, out of reach of children, between 35 and 95 °F. The best way to dispose of the product is to use it according to the label. Small amounts of unused product may be diluted and applied to drains, or placed with municipal waste. Consult local regulations for disposal of more than 1 gallon of unused product.

Net Contents: 16 fl oz, 1 US Gallon

Rockwell Labs Ltd
creating microbial miracles

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InVade Bio Foam MSDS Information

Section 1: Identification:

Product Name: InVade[™] Bio Foam
Manufacturer: Rockwell Labs Ltd
Revised By: TJF 12/11
1257 Bedford Ave., N Kansas City, MO 64116
Telephone: 866 788 4101 Emergency: 800 858 7378

Section 2: Hazardous Ingredients:

(Per 29 CFR 1910.1200)	CAS No.	%	TWA	STEL
Material: Ethyl Alcohol	64-17-5	2.5	400 ppm	500 ppm
Ethylene Glycol Monobutyl Ether	111-76-2	7.5	25 ppm	not established

Section 3: Composition Information: The product is composed of waste-digesting bacillus bacteria, citrus oil, and foaming agent.

Section 4: First Aid Measures: Skin Contact: Remove contaminated clothing and wash with soap and water. For any persistent irritation, contact a physician. Ingestion: Contact physician immediately. DO NOT induce vomiting. Eye Contact: Flush with water for 15 minutes. For any persistent irritation, contact a physician. Inhalation: Remove to fresh air and get medical attention if difficulty breathing persists.

Section 5: Fire Fighting Measures: Extinguishing Media: water or foam as appropriate for surrounding materials; Flash Point: >200 °C; Flame Extension: N/A; Auto Ignition: N/A; Self contained breathing apparatus and protective clothing should be worn when fighting fires involving chemicals. Keep fire-exposed containers cool with water spray. Flammability limits in air, % by vol: 1.1-19. Unusual fire or explosion hazards: Fire and explosion hazards are considered minor, but the product can burn under fire conditions.

Section 6: Accidental Release Measures: Wipe up and dispose of in proper container. Large spill: contain spill and soak up with absorbent material and place in proper disposal container. Clean the area with detergent and water.

Section 7: Handling and Storage: Store in closed containers, at or below room temperature. Do not freeze. Store away from excessive heat, direct sunlight, moisture, ignition sources, and out of reach of children, pets, or wildlife.

Section 8: Exposure / Personal Protection: Wash hands thoroughly after use. Rubber gloves are recommended as with all chemicals. Ventilation: wear NIOSH/MSHA organic vapor respirator if ventilation is poor; Respirator: wear NIOSH/MSHA organic vapor respirator if ventilation is poor; Eye protection: Chemical splash goggles recommended.

Section 9: Physical and Chemical Properties: Vapor Pressure: similar to water; Vapor Density: similar to water; pH: 8.1 – 8.5; Viscosity: not known; Percent Volatiles by Volume (25 °C): <5%; Appearance: orange viscous liquid; Odor: fresh oranges; Specific Gravity: 1-1.1; Solubility: water miscible; Evaporation Rate: similar to water

Section 10: Stability and Reactivity: Stability: stable; Material Incompatibility: strong acids and bactericidal compounds; Hazardous Polymerization: will not occur; Hazardous Decomposition Products: if all water is drawn off, burning may result in release of carbon, nitrogen, and sulfur oxides or other toxic materials depending upon combustion conditions. Conditions to Avoid: open flame, heat, spark.

Section 11: Toxicological Information: Eye Contact: may cause severe eye irritation and tissue destruction; Skin Contact: may be harmful if absorbed

through skin and may cause irritation; Inhalation: prolonged inhalation may cause respiratory tract irritation, headache, and/or dizziness; Ingestion: may be harmful and cause gastrointestinal symptoms; Systemic/Other Effects: not known; Carcinogenicity: NTP – not listed; IARC Monographs – not listed; OSHA – not listed; AGIH – not listed.

Section 12: Ecological Information: Do not apply directly to water or to areas where surface water is present. Do not contaminate water when disposing of product.

Section 13: Disposal Considerations: Wastes resulting from use may be disposed of on site or at an approved waste disposal facility. Dispose of wastes in accordance with all Federal, State, and Local laws.

Section 14: Transport Information: DOT Shipping Name: None required; DOT Hazard Class (49 CFR 172.101): non-hazardous; DOT Labels: not required; Freight classification: LTL Class 60

Section 15: Regulatory Information: This product contains no substances reportable by CERCLA or SARA Title III Section 313, Section 302, or Section 311/312.

Section 16: Other Information: Warranty: The information provided in this Material Safety Data Sheet has been obtained from sources believed to be reliable. Rockwell Labs Ltd provides no warranties, express or implied, and assumes no responsibility for the accuracy and completeness of the data contained herein. This information is offered for your consideration and investigation. The user is responsible to ensure that they have all data relevant to their particular use.