

Material Safety Data Sheet – InVade™ Bio Foam

Section 1: Identification:

Manufacturer: Rockwell Labs Ltd
1257 Bedford Ave., N Kansas City, MO 64116

Product Name: **InVade™ Bio Foam**
Revised By: TJF 12/11
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.