

Manufacturer: Rockwell Labs Ltd  
1512 Taney St  
North Kansas City, MO 64116 USA

tel: 866 788 4101  
fax: 816 283 3173  
emergency: 800 858 7378

Date: July 2005  
Prepared By: CWS

Product Trade Name: InVade Bio Zap  
Common Name: odor-eliminating, waste-digesting microbes  
Use: Surface spray cleaner to digest organic waste and eliminate odors  
EPA Reg. No.: not applicable  
Composition: The product is composed of waste-digesting bacillus spores, citrus oil, and emulsifier

## SECTION I - INGREDIENTS

concentrate of soil bacteria spores (Bacillus), citrus oil, and emulsifier (ethoxylates, polyethylene glycol) < 2%

## SECTION II - PHYSICAL PROPERTIES

Form: liquid	Solubility: emulsifies in water	Viscosity: similar to water
Color: pale yellow, translucent	% Volatiles by Volume (25 °C): <2%	pH: 3.8-4.5
Odor: fresh oranges	Vapor Pressure: not known	Evaporation Rate: similar to water
Specific Gravity: not known	Vapor Density: not known	Water Reactivity: N/A

## SECTION III - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Test Method): N/A      Flammable Limit: N/A      Auto Ignition Temp.: N/A  
Extinguishing Media: carbon dioxide, foam or dry chemical  
Special Fire Fighting Procedures and Personnel Protection: Do not use water. Smother to exclude air. Wear positive pressure self-contained breathing apparatus approved by MSHA/NIOSH. Smoke may be acrid and fume irritating.  
Unusual Fire and Explosion Hazards: The fire and explosion hazards are considered very minor.

## SECTION IV - HEALTH HAZARD DATA

The product may be harmful if swallowed and may cause eye irritation. Avoid contact with eyes. Avoid ingestion.

Primary Route(s) of Entry: Ingestion  
Signs and Symptoms of Over-Exposure: Ingestion may cause vomiting and headache.  
Chronic Effects: Prolonged or repeated skin exposure can cause drying and irritation.  
Emergency and First Aid Procedures:  
If in Eyes: Flush with water for at least 15 minutes and contact a physician if any persistent irritation results.  
If Swallowed: Contact a physician immediately. DO NOT induce vomiting. Rinse mouth with water then drink one glass of water.  
If on Skin: Wash with soap and water.  
If Breathed: If symptoms result, remove to fresh air.

## SECTION V - PERSONAL PROTECTION MEASURES

Respirator Type: use mist-respirator if sprayed in area that is not well-ventilated      Eye Protection: safety glasses recommended      Gloves: recommended  
Ventilation: not required  
Other Protective Measures: Wash clothing before re-use.

## SECTION VI - REACTIVITY DATA

Stability Under Normal Conditions: Stable  
Hazardous Polymerization: None known      Conditions to Avoid: Excessive heat, strong acids and bases, disinfectants  
Incompatibility (Materials to Avoid): Strong acids, oxidizers and bactericidal compounds      Hazardous Decomposition Products: None known

## SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be Taken in the Event Material is Spilled or Released:  
Small Spill: 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.  
Waste Disposal Procedures: 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 VIII - STORAGE AND HANDLING PRECAUTIONS

Storage Temperature: Room temperature or cooler. Do not freeze. Average Shelf Life: Three years in original container at room temperature.  
Special Sensitivity (Heat, Light, Moisture): Avoid prolonged exposure to excessive heat and direct sunlight.  
Special Precautions to be Taken in Handling and Storage: Store in original container away from excessive heat or direct sunlight and out of reach of children, pets or wildlife. Do not contaminate food or feed products during storage and disposal.

## SECTION IX - SHIPPING INFORMATION

DOT Shipping Name: None required      DOT Hazard Classification: Non-Hazardous  
DOT Labels Required: None required      Freight Classification: LTL Class 60

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.