

MATERIAL SAFETY DATA SHEET



PCT International Pty Ltd

ABN 44 101 170 923

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InVade[©] bi o c l e a n e r

Classified as non-hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE PRODUCT AND THE MANUFACTURER

Product Name: InVade Bio Cleaner
Product Code: none
Product Use: digestion of organic waste and odor elimination in drains
Poison Schedule: none
Supplier: PCT International Pty Ltd
ABN: 44 101 170 923
Street Address: Unit 1 / 74 Murdoch Circuit, ACACIA RIDGE QLD 4110
Telephone: + 61 7 3711 7022
Facsimile: + 61 7 3711 7055

Emergency telephone No: 1800 630 877

MSDS Creation Date: 2nd July 2010

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Formulation Type: Liquid

Ingredients

Concentrate of soil bacteria spores (bacillus), citrus oil, surfactant (ethoxylates, polyethylene glycol).

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3. HAZARDS IDENTIFICATION

Emergency Overview Non-Hazardous substance ; Non-dangerous goods

Physical Appearance

Form: Liquid
Colour: Light orange
Odour: Characteristic
Water Solubility: Soluble
pH: unknown

Potential Health Effects

Eyes: Irritating to the eyes
Skin: May cause slight irritation
Ingestion: May be slightly toxic based on acute animal studies.
Primary Routes of Entry: Eyes, Skin, Inhalation, Ingestion
Carcinogenicity: Not listed by NTP, IARC, ACGIH or OSHA as a carcinogen

4. FIRST AID MEASURES

General Information: The product is harmful if swallowed. It may cause eye and dermal irritation. Prolonged inhalation may cause irritation.
Inhalation: If symptoms of irritation occur, remove patient to fresh air.
Skin Contact: Wash affected area with soap and water.
Eye Contact: Flush with water for at least 15 minutes and contact a doctor if any persistent irritation results.
Ingestion: Contact a doctor immediately. Do not induce vomiting. Rinse mouth with water and have patient drink a glass of water.
Symptoms: Ingestion may cause vomiting and headache.
First Aid Facilities: If poisoning occurs, contact a doctor or Poisons Information Centre on **13 11 26** (Australia).
General Advice: Remove soiled or soaked clothing immediately.

5. FIRE-FIGHTING MEASURES

Fire and Explosion Hazards: Considered to be very minor.
Fire Extinguisher type: Carbon Dioxide, foam or dry chemical.
Fire Fighting Procedures & Precautions: Do not use water. Smother to exclude air. Wear positive-pressure self-contained breathing apparatus. Smoke may be acrid and fumes irritating.
Hazardous Decomposition Products: None known.
Flash Point: n/a
Flammability Class: n/a

6. ACCIDENTAL RELEASE MEASURES

Small Spill: Wipe up with absorbent towel and place in a suitable container for disposal.
Large Spill: Dealing with spills has the potential to increase the risk of personal exposure- during such operations, ensure that protective clothing is worn as detailed below. Avoid

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contact with spilled material or contaminated surfaces. Keep people and animals away. Prevent spillage from entering drains, sewers or watercourses. If contamination thereof is unavoidable, warn the local water authority. Spills should be contained and absorbed with soil, sand, sawdust, clay, cat litter or other similar material, and once absorption is complete, this material then be placed in sealable, labeled, drums for safe disposal in an approved landfill, and in accordance with the requirements of local or State Waste Management Authorities. Alternatively, bury under at least 500^{mm} of soil in an area away from crops, pastures, homes or water sources. To decontaminate spill area, tools and equipment, wash with a suitable solution, e.g. organic solvent, detergent, bleach or caustic, and add this material to the drums of waste already collected. Label all contents. Do not burn empty containers or product.

7. HANDLING AND STORAGE

Handling: No specific requirements for handling unopened containers.
Storage: Store product in original containers at room temperature or cooler. Average shelf life of the product is 3 years at room temperature. Do not allow product to freeze. Avoid prolonged exposure to excessive heat and direct sunlight. Keep out of reach of children. Do not contaminate food or feed products.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General protective Measures: Avoid contact with eyes and skin
Do not inhale mists.
Hygiene Measures: No smoking, eating or drinking allowed when using this product.
Wash hands before breaks and at end of work shift.
Protective ointment is recommended.
Exposure Limits: not known.
Ventilation: not required.
Personal Protective Equipment: Cotton overalls recommended.
Eye Protection: Safety glasses recommended.
Skin Protection: Elbow length PVC gloves recommended.
Respirator: Use a respirator suitable for mist if product is to be sprayed in a poorly ventilated area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Description: orange coloured liquid
Odour: fresh citrus scent
Specific Gravity: not known
Water Solubility: emulsifies in water
Volatility: 7-10% of product by volume at 25°C
Evaporation Rate: similar to water

10. STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions of storage and use.
Conditions to Avoid: Excessive heat, strong acids and alkalis, disinfectants.
Incompatibilities: Strong acids, oxidizers, bactericidal compounds.
Fire Decomposition: No known hazardous decomposition products.
Polymerisation: None known.

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11. TOXICOLOGICAL INFORMATION

Toxicity: non-hazardous.
Chronic Effects: Prolonged or repeated skin exposure may cause drying and irritation.
Reproductive Effects: not known
Teratogenic Effects: not known
Mutagenic Effects: not known
Carcinogenic Effects: not known
Carcinogenic status: not known
Animal Toxicity Data: not available

12. ECOLOGICAL INFORMATION

Effects on Birds: not known.
Effects on Aquatic Organisms: not known.
Effects on Other Animals (non-target species): not known.
Environmental Persistence & Degradation: not known.

13. DISPOSAL CONSIDERATIONS

ALWAYS DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Product Disposal: In accordance with local authority regulations, take to special waste incineration plant.
Container Disposal: Dispose of empty, used containers by triple rinsing, or preferably pressure rinsing. Add the rinsate to the spray tank or dispose of the rinsate in a disposal pit away from desirable plants and their roots and from watercourses. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return cleaned containers to a recycler or designated collection point. If not recycling, break, crush or puncture empty containers and bury in a local authority landfill. If no landfill available, bury the containers at least 500^{mm} deep in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

14. TRANSPORT INFORMATION

Storage and Transport: Considered non – dangerous goods for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

15. REGULATORY INFORMATION

APVMA Approval No: not required
Risk Phrases: not required.

Safety Phrases: not required

16. OTHER INFORMATION

Contact Person/Point: Mr David Pearson Phone: (07) 3711 7022

This MSDS contains only safety-related information. For other data, see product literature.

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