

MATERIAL SAFETY DATA SHEET

This product is harmful if swallowed. It is not a designated Hazardous Substance according to the criteria of Worksafe Australia

This revision issued: July 2008

1. IDENTIFICATION OF CHEMICAL PRODUCT AND COMPANY

Product name: **INVADE[®] bio foam**

Other names: microbial foaming/cleaning product
Poison Schedule: n/a
Recommended use: general cleaning and digestion of scum where flies can breed.
Supplier: PCT International Pty Ltd
Address: Unit 1/ 74 Murdoch Cct, ACACIA RIDGE QLD 4110
Telephone: (07) 3711 7022
Fax: (07) 3711 7055
Website: www.pct.au.com
Contact: David Pearson
Emergency telephone No: 1800 630 877

2. COMPOSITION of/ INFORMATION on/ INGREDIENTS

Ingredients	CAS No	Proportion
Isopropyl alcohol		<5%
Ethoxylated alcohol	7731-78-5	
Tetrasodium Ethylenetetraacetate	64-02-8	
Sodium Xylene Sulfonate	1300-72-7	
Alkylbenzenesulfonic acid	27176-87-0	
Ethylene Glycol Monobutyl Ether	111-76-2	10-15%
Ethyl Alcohol	64-17-5	0-5%

The product is composed of cleaning agents, foaming agents and waste-digesting bacillus bacteria.

3. HAZARDS IDENTIFICATION

Hazard Designation: Not designated a hazardous substance.

Risk Phrases: n/a

Safety Phrases: n/a

SUSDP Classification: none allocated

ADG Classification: none allocated

UN Number: none allocated

4. FIRST AID MEASURES

General Information:	The product is harmful if swallowed or is absorbed through the skin. It may cause severe eye irritation and tissue damage, and dermal irritation. Prolonged inhalation may cause respiratory tract irritation, headache and/or dizziness.
Inhalation:	If symptoms of irritation occur, remove patient to fresh air.
Skin Contact:	Remove any contaminated clothing and wash affected area with soap and water. Contact a doctor if any persistent irritation results.
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.
Symptoms:	Ingestion may cause vomiting and headache.

5. FIRE FIGHTING MEASURES

Fire and Explosion Hazards:	Considered to be very minor, although the product can burn under fire conditions.
Fire Extinguisher type:	Water or foam as appropriate for the surrounding materials.
Fire Fighting Procedures & Precautions:	Use appropriate fire-fighting procedures for the surrounding materials. Keep fire-exposed containers cool with water spray. Wear positive-pressure self-contained breathing apparatus. Smoke may be acrid and fumes irritating.
Hazardous Decomposition Products:	Burning may result in the release of carbon, nitrogen and sulfur oxides or other toxic materials depending upon combustion conditions.
Flash Point:	>95°C
Flammability Class:	n/a

6. ACCIDENTAL RELEASE/ SPILLS 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 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 6 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, pets or wildlife. Do not contaminate food or feed products.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Limits:	not known.
Ventilation:	not required.
Personal Protective Equipment:	Cotton overalls and chemical-resistant boots recommended.
Eye Protection:	Safety glasses recommended for splash protection.
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 & CHEMICAL PROPERTIES

Physical Description:	orange coloured viscous liquid
Odour:	fresh oranges scent
Specific Gravity:	1.0 -1.1
Water Solubility:	water miscible
Volatility:	<5% of product by volume at 25°C
Evaporation Rate:	similar to water

10. STABILITY & REACTIVITY

Reactivity:	Stable under normal conditions of storage and use.
Conditions to Avoid:	Open flame, heat and sparks.
Incompatibilities:	Strong acids, bactericidal compounds.
Fire Decomposition:	Burning may result in release of carbon, nitrogen and sulfur oxides, or other toxic materials depending upon combustion conditions.
Polymerisation:	None known.

11. TOXICOLOGICAL INFORMATION

Toxicity:	non-hazardous.
Chronic Effects:	None known.
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	
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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	
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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	
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UN Number:	n/a
Proper Shipping Name:	n/a
Class and Subsidiary Risk:	n/a
Packing Group:	n/a
Hazchem Code:	n/a

15. REGULATORY INFORMATION	
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APVMA Approval No:	not required
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16. OTHER INFORMATION	
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This MSDS contains only safety-related information. For other data, see product literature.

The above information is correct and accurate to the best of our knowledge. However, no warranty, expressed or implied, is made as to its accuracy or completeness of data herein. Further research and investigation may be required for your particular use of this product.

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