



# COSHH Risk Assessment No: 143

## Product Name: PROVANTO ULTIMATE FRUIT & VEGETABLE BUG KILLER CONCENTRATE



Registration number – MAPP 18078		Appearance – white liquid with weak characteristic odour	
Describe the activity or work process. <i>(Inc. how long/ how often this is carried out and quantity substance used)</i>		Provanto® Ultimate Fruit & Vegetable Bug Killer Concentrate is a formulation previously only available to the professional market. It can be used on a comprehensive range of ornamentals, fruit and veg plants such as apples and pears, runner beans, lettuce and many more.	
Location of process being carried out?		For all outdoor uses (except raspberry beetle): 0.5ml in 1 litre. For raspberry, loganberry, blackberry and rubus hybrids : 0.8ml in 1 litre For all indoor, greenhouse and conservatory uses: 1.0ml in 1 litre.	
Identify the persons at risk:		Employees <input checked="" type="checkbox"/>	Sub-contractors <input type="checkbox"/> Public <input checked="" type="checkbox"/>
Name the substance involved including active ingredient, in the process and its manufacturer.		<b>PROVANTO ULTIMATE FRUIT &amp; VEGETABLE BUG KILLER CONCENTRATE</b> (SBM Life Science Ltd) Active Ingredients – Deltamethrin 1.5%, Benzyl benzoate >2.50 – <25.00%, Cyclohexanone >2.50 – <25.00%	

### Classification (state the category of danger)

	<input type="checkbox"/>	Long term affect on health		<input type="checkbox"/>	Irritant - dermatitis causing		<input type="checkbox"/>	Extremely Flammable
	<input type="checkbox"/>	Toxic		<input type="checkbox"/>	Sensitising		<input type="checkbox"/>	Highly Flammable
	<input type="checkbox"/>	Corrosive		<input type="checkbox"/>	Biological		<input checked="" type="checkbox"/>	Flammable
	<input type="checkbox"/>	Harmful – eye irritation		<input type="checkbox"/>	Oxidising		<input checked="" type="checkbox"/>	Environmental

### Hazard Type

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Gas	Vapour	Mist	Fume	Dust	Liquid	Solid	Other (State)

### Route of Exposure

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inhalation	Skin	Eyes	Ingestion	Other (State)

### Workplace Exposure Limits (WELs) please indicate n/a where not applicable

n/a	Short-term exposure level (15 mins): N/A
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### State the Risks to Health from Identified Hazards

**EC Classification:** H226 Flammable liquid and vapour. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. EUH401 To avoid risks to human health and the environment, comply with the instructions for use. EUH208 Contains alpha-hexylcinnamaldehyde, benzylsalicylate. May produce an allergic reaction. Cutaneous sensations may occur, such as burning or stinging on the face and mucosae. However, these sensations cause no lesions and are of a transitory nature (max. 24 hours).

### Control Measures:

Always read label / MSDS before use and comply with details.  
To be used by trained operative (professional) only PA1 / PA6  
Keep in original, labelled container.  
Remain in control of substance at all times. Storage to be restricted to certified store, out of storage use to be confined to regulated vehicle.

Pesticide resistance in greenhouse whitefly and some aphids is widespread. Where resistance to pyrethroids is present, Provanto Ultimate Fruit & Vegetable Bug Killer Concentrate is unlikely to give control. Where necessary use an alternative product.  
 Avoid spraying delicate open blooms. The best time to spray is early morning or late evening. Do not spray in bright sunlight or when plants are dry at the roots  
 Children and Pets need not be excluded from the treated area **until dry**.  
 Keep out of reach of children.  
 Records to be kept on usage and location in pest control master file.  
 Operator to wear suitable PPE when handling and applying As detailed below. Records of PPE maintenance to be held centrally.  
 Waste product to be retained and disposed of by Pest Control operator as per EA guidelines









**Safety Phrases:**

P240 Ground/bond container and receiving equipment.  
 P280 Wear protective gloves/protective clothing/eye protection.  
 P501 Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

Is health surveillance or monitoring required?

Yes  No

**Personal Protective Equipment (state type and standard)**

 <input type="checkbox"/>			To be worn if spraying Above head height
Dust mask		Visor	
 <input checked="" type="checkbox"/>		 <input checked="" type="checkbox"/>	Safety goggles to be worn when applying
Respirator		Goggles	
 <input checked="" type="checkbox"/>	PVC or rubber gloves	 <input checked="" type="checkbox"/>	Disposable type 5-6
Gloves		Overalls	
 <input checked="" type="checkbox"/>	Steel toe cap boots to be worn as per company dress code.		Other
Footwear		Other	

**First Aid Measures**

**Inhalation:** Move to fresh air. Keep patient warm and at rest. Call a physician or poison control centre immediately.  
**Skin:** Immediately wash with plenty of soap and water for at least 15 minutes. Warm water may increase the subjective severity of the irritation/paraesthesia. This is not a sign of systemic poisoning. In case of skin irritation, application of oils or lotions containing vitamin E may be considered. If symptoms persist, call a physician.  
**Eyes:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Warm water may increase the subjective severity of the irritation/paraesthesia. This is not a sign of systemic poisoning. Apply soothing eye drops, if needed anaesthetic eye drops. Get medical attention if irritation develops and persists.  
**Ingestion:** DO NOT induce vomiting unless directed to do so by a physician or poison control centre. Rinse out mouth and give water in small sips to drink. Keep patient warm and at rest.

**Storage / Spillage**

**Storage:** Store in original container and out of the reach of children, preferably in a locked storage area. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight. Protect from freezing.  
**Spillage –** Soak up with inert absorbent material (e.g., sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Clean floors and contaminated objects with plenty of water. Do not allow to get into surface water, drains and ground water. If spillage enters drains leading to sewage works inform local water company immediately. If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).

**Disposal of Substances & Contaminated Containers**

**Hazardous Waste**  Skip  Return to Depot  Return to Supplier  Other

Is exposure adequately controlled?

Yes  No

**Risk Rating Following Control Measures**

High  Medium  Low

Assessed by: Brian Duffin

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