



COSHH Risk Assessment No: 033

Product Name: Pybuthrin 33



Registration number – HSE - 5106		Appearance – colourless to light yellow liquid	
Describe the activity or work process. <i>(Inc. how long/ how often this is carried out and quantity substance used)</i>	Contains 0.38 % (w/w) natural Pyrethrins synergised with Piperonyl Butoxide. A ready-to-use, high-volume space spray for the control of flying and crawling insects. It offers rapid knockdown and kill with no residual activity. Pybuthrin 33 can be applied as a coarse spray via a compression sprayer, or as a mist or fog. IR (93411) Indoors: 1 litre of product per 3000 m ³ . Outdoors: Up to 25 litres per ha / 1 litre per 2000 m ² .		
Location of process being carried out?	In and around domestic properties, public buildings and food handling establishments.		
Identify the persons at risk:	Employees ☒	Sub-contractors ☐	Public ☒
Name the substance involved including active ingredient, in the process and its manufacturer.	Pybuthrin 33 (Bayer (Envu)) Active Ingredients – chrysanthemum cinerariaefolium extract extract from open mature flowers of tannacetum cinerariifolium obtained with supercritical CO ₂ 0.74% (3 g/l), piperonyl butoxide and distillates (petroleum), hydrotreated light.		
Classification (state the category of danger)			
 ☐ Very Toxic	 ☒ Skin Irritant	 ☐ Extremely Flammable	
 ☐ Toxic	 ☐ Sensitising	 ☐ Highly Flammable	
 ☐ Corrosive	 ☐ Biological	 ☐ Flammable	
 ☒ Long term exposure	 ☐ Oxidising	 ☒ Environmental	
Hazard Type			
☐ Gas	☐ Vapour	☒ Mist	☐ Fume
☐ Dust	☒ Liquid	☐ Solid	☐ Other (State)
Route of Exposure			
☒ 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	
State the Risks to Health from Identified Hazards			
EC Classification: H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H410 Very toxic to aquatic life with long lasting effects			
Control Measures: Always read label / MSDS before use and comply with details. Remove non target organisms / People during application 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.
 Do not store in direct sunlight
 Do not spray onto open flame or sources of ignition
 Where risk of interception by 3rd party warning labels to be used to denote use and risk
 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:
 P280 Wear protective gloves/ protective clothing/ eye protection.
 P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor/ physician.
 P391 Collect spillage.
 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)

 ☐		 ☐	
Dust mask		Visor	
 ☒		 ☒	Goggles to EN166
Respirator		Goggles	
 ☒	Disposable gloves	 ☒	
Gloves		Coveralls	
 ☒	Steel toe cap boots to be worn as per company dress code.	 ☐	
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: Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water. In case of skin irritation, application of oils or lotions containing vitamin E may be considered. Call a physician or poison control centre immediately.

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. Apply soothing eye drops, if needed anaesthetic eye drops. Call a physician or poison control centre immediately.

Ingestion: Do NOT induce vomiting. Do not leave victim unattended. Call a physician or poison control center immediately. Risk of product entering the lungs on vomiting after ingestion. Rinse mouth.

Storage / Spillage

Storage: Keep containers tightly closed in a cool, well-ventilated place. Store in original container. Store in a place accessible by authorized persons only. Keep away from direct sunlight.

Spillage – Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated floors and objects thoroughly, observing environmental regulations. Keep in suitable, closed containers for disposal.

Disposal of Substances & Contaminated Containers

Hazardous Waste ☒ Skip ☐ Return to Depot ☐ Return to Supplier ☒ Other ☐

(If Other Please State):

Summary

When used correctly this product offers few risks to user / end user

Risk Rating Following Control Measures

High ☐ Medium ☐ Low ☒

Assessed by: Paul Mallett Date: 02/01/2025 Review Date: January 2026