

Safety Data Sheet

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Issue: 1

02:06:2014

SECTION 1 Identification of the Substance/Mixture and Company

1.1 Product identifier	Wasp Killer Powder	HSE 9644, PCS 97464
1.2 Relevant identified uses of the mixture and uses advised against	A fine, off-white powder with no perceptible odour. For amateur use as an insecticidal dusting powder for the control of wasps in domestic situations.	
1.3 Details of the supplier of the safety data sheet	Rentokil Initial Supplies, Liverpool, L33 7SR, UK. Product advice line: +44 (0)151 548 5050 Emergency line: +44 (0)1342 833 022 E-mail: sds@rentokil.com	
National contact	Rentokil Initial Supplies, Liverpool, L33 SR, UK. Product advice line: +44 (0)151 548 5050 Emergency line: +44 (0)1342 833 022 Email: sds@rentokil.com	
1.4 Emergency telephone number	0844 892 011 (for use by medical professionals only).	

SECTION 2 Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Not applicable. See section 16.

Classification according to Directive 1999/45/EC (See section 16)

N	Dangerous for the environment.	R50/53
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2.2 Label elements



Risk phrase(s) (R), in full / Hazard statement(s) (H), in full.	R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety phrase(s) (S), in full / Precautionary Statement(s) (P), in full.	S2: Keep out of reach of children. S22: Do not breathe dust. S29: Do not empty into drains. S35: This material and its container must be disposed of in a safe way. S46: If swallowed, seek medical advice and show this container or label. S51: Use only in well-ventilated areas. Contains permethrin. May produce an allergic reaction.

2.3 Other hazards

This product contains permethrin which may cause sensitisation by skin contact. This product is classified as dangerous to the environment however when used as directed no significant adverse effects are expected under normal conditions of handling and use.

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SECTION 3 Composition / Information on Ingredients (see section 16)

3.2 Mixtures

% w/w	Common*/Chemical name (IUPAC)	CAS No.	EC No.	Index No.	REACH Registration No.	Directive 67/548/EEC classification	Regulation (EC) No 1272/2008 classification
0.487	Permethrin*/ m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate (cis:trans ratio 25:75)	52645-53-1	258-067-9	613-058-00-2	-	Xn: R20/22 R43 N: R50/53	Acute Tox. 4 : H302 H332 Skin Sens. 1 : H317 Aquatic Acute 1 : H400 Aquatic Chronic 1 : H410
<50.0	Talc/Chlorite*	14807-96-6/ 1318-59-8	238-877-9/215-285-9	-	-	Not classified.	Not classified.
<50.0	Calcium carbonate	471-34-1	207-439-9	-	-	Not classified.	Not classified.

SECTION 4 Section First-Aid Measures

4.1 Description of first aid measures

Inhalation	Remove patient to fresh air, keep warm and at rest. Apply supportive measures if necessary and seek medical attention.
Eye Contact	Rinse affected eye with clean running water, or eyewash solution, for at least 15 minutes holding eyelids well apart. Rinse entire surface and do not allow run-off to contaminate unaffected eye. Seek medical attention.
Skin Contact	Remove and wash contaminated clothing immediately. Wash affected area thoroughly with soap and water. If the patient feels unwell seek medical advice.
Ingestion (Swallowing)	This route of exposure is not anticipated.

4.2 Most important symptoms and effects both acute and delayed

Emergency Equipment Suggested	None necessary for normal use of the product.
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4.3 Indication of any immediate medical attention and special treatment needed

Note To Doctor	Further information on all Rentokil Initial formulations is lodged with the local National Poisons Information Service.
Antidote	No specific antidote known. Treatment is symptomatic.

SECTION 5 Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media	This product is not flammable. Choose extinguishing media suitable for the surroundings.
Unsuitable extinguishing media	Do not use jet wash as this may spread fire.

5.2 Special hazards arising from the mixture

Combustion or thermal decomposition will evolve carbon and nitrogen oxides and halogen compounds.

5.3 Advice for fire fighters

Wear suitable personal protective equipment.

SECTION 6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable personal protective equipment.

6.2 Environmental precautions

This product is classified as dangerous for the environment. Keep away from drains, surface and ground water, and soil.

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6.3 Methods and material for containment and cleaning up	Gather up spilt material being careful not to create dust clouds and transfer to a suitable container for subsequent disposal.
6.4 Reference to other sections	Please also see sections 8 and 13 for further information.
Additional information	Clear spills immediately.

SECTION 7 Handling and Storage

7.1 Precautions for safe handling	Do not breathe dust.
7.2 Conditions for safe storage, including any incompatibilities	Store in original container in a cool, dry, ventilated place out of the reach of children and away from food, drink and animal feeding stuffs.
7.3 Specific end use(s)	Insecticide.

SECTION 8 Exposure Controls/Personal Protection

8.1 Control Parameters

Exposure standard - Directive 98/24/EC (1st IOELV Directive)	Workplace Exposure Limit (WEL) long-term exposure (8 hour Time Weighted Average)	For: Talc (respirable) is 1 mg/m ³ . For: Calcium carbonate (respirable dust) is 4 mg/m ³ . For: Calcium carbonate (inhalable dust) is 10 mg/m ³ .
	Workplace Exposure Limit (WEL) short-term exposure (15 minute reference period)	Not applicable.
	Substance name used in Directive EC/98/24 (1st IOELV Directive)	Not applicable.

8.2 Exposure controls

Appropriate engineering controls	Where exposure may occur, engineering controls, rather than the provision of Personal Protective Equipment (PPE) should be employed. On completion of a risk assessment, the following PPE may be required:
Individual Protection Measures	
Eye/face protection	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
Hand protection	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
Skin/body protection	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
Respiratory protection	Label advice indicates none necessary under normal handling and use. However, consider other precautionary requirements.
Environmental Exposure Controls	Use only in accordance with instructions given.

SECTION 9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance, odour and physical state	A fine, off-white powder with no perceptible odour.		
pH	Not determined.	Solubility in water	Insoluble.
Density	Not determined.	Solubility in other solvents	Not determined.
Relative density	0.45 (untapped)	Explosive properties	Not determined.
Flash point	Not applicable.	Combustibility	Not determined.
Flammability	Non-flammable.	Oxidising properties	Not determined.

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Boiling Point / Range	Not applicable.	Evaporation rate	Not applicable.
Vapour Density	Not applicable.	Partition coefficient	Not applicable.
Vapour pressure	Not applicable.	Decomposition temperature	Not determined.
Melting point / Freezing point	Not determined.	Auto-ignition temperature	Not determined.
9.2 Other information			
Upper/lower flammability or explosive limits	Not applicable.	Other safety information	None known.
Viscosity	Not applicable.		

SECTION 10 Stability and Reactivity

10.1 Reactivity	This product is stable under normal conditions of handling and use.
10.2 Chemical stability	This product is stable under normal conditions of handling and use.
10.3 Possibility of hazardous reactions	None expected under normal conditions of handling and use.
10.4 Conditions to avoid	Avoid extremes of temperature, e.g. below 0°C and above 40°C.
10.5 Incompatible materials	Avoid oxidising agents, strong acids and bases.
10.6 Hazardous decomposition products	Combustion or thermal decomposition will evolve carbon and nitrogen oxides and halogen compounds.

SECTION 11 Toxicological Information (see also box 2)

11.1 Information on toxicological effects		
Acute Toxicity	Oral	For permethrin LD50 (rat) > 2000 mg/kg.
	Inhalation	For permethrin LC50 (rat) > 0.45 mg/L.
	Dermal	For permethrin LD50 (rat) > 2000 mg/kg.
Corrosivity/ Irritation	Skin	May be irritating to skin, especially on prolonged contact.
	Eyes	May be irritating to eyes.
	Respiratory tract	May be irritating to respiratory tract.
Sensitisation	Skin	Contains less than 1% skin sensitisers in the form of permethrin.
	Respiratory	Contains no known respiratory sensitisers.
Repeat-Dose Toxicity	Product does not contain any components known to have any effects relating to repeated-dose toxicity.	
Mutagenicity	Product does not contain any components known to have a mutagenic effect.	
Carcinogenicity	Product does not contain any components known to have a carcinogenic effect.	
Reproductive Toxicity	Fertility	Product does not contain any components known to have effects on fertility.
	Developmental	Product does not contain any components known to be toxic to the reproductive system.
Other data	None known.	

SECTION 12 Ecological Information

12.1 Toxicity

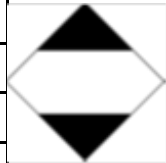
General information	This product is classified as very toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment. However, when used in accordance with instructions given, controlled release of this product is not expected to cause environmental contamination.
Ecotoxicity data	For permethrin: Fish (<i>Poecilia reticulata</i>) LC50 (96 h) 0.0089 mg/L Fish (<i>Cyprinus carpio</i>) LC50 (96 h) 0.145 mg/L Daphnia (<i>Daphnia magna</i>) EC50 (24 h) 0.020 mg/L Algae (<i>Scenedesmus subspicatus</i>) EC50 (72 h) 0.022 mg/L. Other (<i>Lampito mauritii</i>) LC50 >1200 mg/L Toxic to bees.
12.2 Persistence and degradability	For Permethrin: degrades rapidly in soil, DT50 <=28days. Disappears rapidly from aqueous environment, 6-24hours from ponds and streams and 7 days from pond sediment.
12.3 Bioaccumulative potential	This product is not expected to bioaccumulate.
12.4 Mobility in soil	Permethrin is strongly adsorbed to soil particles with no risk of leaching.
12.5 Results of PBT and vPvB Assessment	Does not meet requirements for assessment.
12.6 Other Adverse Effects	Toxic to bees.

SECTION 13 Disposal Considerations

13.1 Waste treatment methods	This product should be disposed of in accordance with the information given on the label.	
Product/packaging disposal	This product is for amateur use only and can therefore be disposed of as normal household waste. However, if used in a place of work, any product and empty container must be disposed of as controlled waste.	
Classification (Council Directive 91/689/EC, Commission Decision 2000/532/EC (amended) Commission Decision 2001/118/EC))	Hazard Code: H14: Ecotoxic.	
	Substances making the waste hazardous:	Concentrations (%):
	Permethrin*/ m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate (cis:trans ratio 25:75)	0.487
	The best means of disposal of any product is through proper use according to the label. Disposal must be in accordance with Local, State or National Requirements.	

SECTION 15 Transport Information (International unless otherwise indicated)

ADR 2011 (International Road) / IMDG 2010 (Sea)

14.1 UN No.	UN 3077	RIS Code	150g PSW98p 300g PSW99p
14.2 Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains permethrin)		
14.3 Class	9		
ADR HIN	90		
UK Hazchem EAC	2Z		
IMDG EMS	F-A, S-F		
14.4 Packing Group	III	<div>Labels</div> <div></div>	
Transport category	3		
14.5 Environmental hazards	Not applicable.		
Marine pollutant	Not applicable.		
Additional precautions	Not applicable.		
14.6 Special precautions for user	Not required.		
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code		Not applicable.	
Limited Quantity Exemptions		Maximum quantity per inner receptacle is 5 litres. Maximum quantity per outer package is 30kg. Combination packs only.	
Note for transport		Local, State or National requirements may apply to the carriage of this product.	

SECTION 15 Regulatory Information**15.1 Safety, Health and environmental regulations/legislation specific for the substance or mixture**

Authorisations and/or restrictions on use	Information to be made available according to ECHA review programme.
Other EU regulations	This safety data sheet was prepared in accordance with EC Directive 1907/2006. Labelling is in accordance with EC Directive 1999/45. Additional labelling requirements may be necessary in accordance with other National legislation. The registration of this product may be necessary before use and any additional local requirements must be observed at all times. Other National measures or guidance should be followed where appropriate.
15.2 Chemical safety assessment	Information to be made available according to ECHA review programme.

SECTION 16 Other Information

Revisions	Not applicable.
Abbreviations and acronyms	<p>Typical standard abbreviations and acronyms used in Rentokil Initial Safety Data Sheets are as follows:</p> <p>ADR 2011 - International Carriage of Dangerous Goods by Road (ADR) ADR HIN - ADR Hazard Identification Number (HIN) Annex I DNEL or PNEC - Derived No Effect Level / Predicted No Effect Concentration CAS No - Chemicals Abstract Service Registry Number COSHH assessments - Control of Substances Hazardous to Health ECHA - European Chemicals Agency EC No - European Commission number EN469 - European standard for Personal Protective Equipment used for fire fighting EN standards for PPE - European Standards for Personal Protective Equipment EWC - European Waste Catalogue Code IMDG 2010 - International Maritime Dangerous Goods (IMDG) Code IUPAC - International Union of Pure and Applied Chemistry LD50 - Median lethal dose LC50 - Lethal concentration REACH - Registration, Evaluation, Authorisation and restriction of Chemicals RIS Code - Internal manufacturing code number WEL - Workplace Exposure Limit UK Hazchem EAC - UK Hazchem Emergency Action Code</p> <p>Typical Directives and Regulations referred to Rentokil Initial Safety Data Sheets are as follows:</p> <p>Commission Decision 95/320/EC - Scientific Committee for Occupational Exposure Limits to Chemical Agents Commission Decision 2000/532/EC - List of wastes Commission Decision 2001/118/EC - Amendment to 2000/532/EC with regards to List of wastes Directive 67/548/EEC - Dangerous Substances Directive Directive 76/768/EC (as amended) - The Cosmetics Directive Directive 89/686/EEC - The Personal Protective Equipment (PPE) Directive Directive 91/689/EC - Directive on Hazardous waste Directive 98/24/EC (1st IOELV Directive) - Chemical Agents Directive 98/24/EC Protection of the Health and Safety of Workers from the Risks from Chemical Agents IOELV Directive: Indicative Occupational Exposure Limit Values Directive 1907/2006 - REACH (Registration, Evaluation, Authorisation and restriction of Chemicals) Directive 1999/45/EC - Dangerous Preparations Directive Directive 2004/37/EC - Carcinogens and Mutagens Directive Regulation (EC) No. 648/2004 - Detergents Regulation Regulation (EC) No 1272/2008 - Classification, Labelling and Packaging</p>

Key literature references and sources for data	For details of the data and information sources used, please contact Rentokil Initial using the details in Section 1.
Classification and used classification procedure for mixtures labelled to Directive 1999/45/EC according to Regulation (EC) No 1272/2008	Not currently classified to Regulation (EC) No. 1272/2008 until 31/05/2015.
Risk phrase/Hazard statement text (From section 3 - These refer to the ingredients only. See section 2 for the product risk phrases)	R20/22: Harmful by inhalation and if swallowed. R43: May cause sensitisation by skin contact. R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. H302: Harmful if swallowed. H332: Harmful if inhaled. H317: May cause an allergic skin reaction. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.
Training advice	Use biocides safely. Always read the label and product information before use.
Further Information	150g or 300g in a white high density polyethylene bottle with a child-resistant screw top.

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Before using any product, ensure that you read and understand its label.

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