

MATERIAL SAFETY DATA SHEET



Health	2
Fire	3
Reactivity	0
Personal Protection	H

PRODUCT CODE: MORTEIN

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VALID TILL: 13/05/2019

SECTION 1: Identification of the substance/mixture

1.1 Product identifier

Product name : Mortein Home Expert Multi Insect Killer Aerosol

Product use : Household insecticide/ Industrial

1.2 Emergency telephone number :

National advisory body/Poison Center

Poison Information contact: : Australia - 13 11 26

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Directive 1999/45/EC [DPD]

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : F+; R12
Xi; R38
N; R51/53

Physical/chemical hazards : Extremely flammable.

Human health hazards : Irritating to skin.

Environmental hazards : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard symbol or symbols :



Indication of danger : Extremely flammable, Irritant, Dangerous for the environment

Risk phrases : R12- Extremely flammable.
R38- Irritating to skin.
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases : S61- Avoid release to the environment. Refer to special instructions/safety data sheet.
S2- Keep out of the reach of children.
S46- If swallowed, seek medical advice immediately and show this container or label.

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Supplemental label elements

: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

Special packaging requirements

Containers to be fitted with child-resistant fastenings

: Not applicable

Tactile warning of danger : Not applicable

2.3 Other hazards

Other hazards which do not result in classification

: Not available.

SECTION 3: Composition/information on ingredients

Substance/mixture

: Mixture

Product/ingredient name	Identifiers	%	Classification		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
Butane	EC: 203-448-7 CAS: 106-97-8 Index: 601-004-00-0	60 - 100	F+; R12	Flam. Gas 1, H220 Press. Gas, H280	[2]
Paraffins (petroleum), normal C5-20	EC: 265-233-4 CAS: 64771-72-8	15 - 30	Xn; R65	Not classified	[1]
Propane	EC: 200-827-9 CAS: 74-98-6 Index: 601-003-00-5	10 - 15	F+; R12	Flam. Gas 1, H220 Press. Gas, H280	[2]
d-trans Allethrin 75:25 (Esbiothrin)	CAS: 84030-86-4 Index: 006-025-00-3	< 0.1	Xn; R20/22 N; R50/53	Acute Tox. 4, H302 Acute Tox. 3, H331 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
Imiprothrin	CAS: 72963-72-5 Index: 613-259-00-5	<0.1	Xn; R22 N; R50/53	Acute Tox. 4, H302 Acute Tox. 2, H330 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
permethrin (ISO)	EC: 258-067-9 CAS: 52645-53-1 Index: 613-058-00-2	< 0.1	Xn; R20/22 R43 N; R50/53	Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]
			See Section 16 for the full text of the R-phrases declared above.	See Section 16 for the full text of the H-statements declared above.	

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EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions : Not applicable.
on the manufacture,
placing on the market
and use of certain
dangerous substances,
mixtures and articles

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
- Inhalation** : Move exposed person to fresh air. Get medical attention if adverse health effects persist or are severe.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse.
- Ingestion** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Irritating to skin.
- Ingestion** : Irritating to mouth, throat and stomach.

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Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
irritation
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
- Ingestion** : No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : Flammable aerosol. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. Runoff to sewer may create fire or explosion hazard.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

5.3 Advice for firefighters

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. This material is toxic to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

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Special protective equipment for fire-fighters

- : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

- : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also Section 8 for additional information on hygiene measures.

6.2 Environmental precautions

- : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

6.3 Methods and materials for containment and cleaning up

Small spill

- : Stop leak if safe to do so. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.

Large spill

- : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

6.4 Reference to other sections

- : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

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SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Avoid breathing vapor or mist. Avoid release to the environment. Refer to special instructions/safety data sheet. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Empty containers retain product residue and can be hazardous.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Storage : Store in accordance with local regulations. Store in a segregated and approved area. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

Recommendations : Household insecticide

Industrial sector specific solutions : Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
Butane	ACGIH TLV (United States, 3/2012). TWA: 1000 ppm 8 hour(s).
propane	ACGIH TLV (United States, 3/2012). TWA: 1000 ppm 8 hour(s).

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Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

8.2 Manufacturer: Exposure controls

Appropriate engineering controls : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Permeation level 6, Penetration level 3 following EN374, taking into consideration the exposure of chemicals given in chapter 3.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	: Liquid. [Aerosol.]
Color	: Colorless.
Odor	: Citrus, Fruity.
Odor threshold	: Not available.
pH	: Not available.
Melting point/freezing point	: Not available.
Initial boiling point and boiling range	: 0°C Butane
Flash point	: Closed cup: <0°C Butane
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Burning time	: Not applicable.
Burning rate	: Not applicable.
Upper/lower flammability or explosive limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Density	: 0.7 to 0.8 g/cm ³ [25°C] Conc.
Solubility(ies)	: Insoluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Not available.
Explosive properties	: Not available.
Oxidizing properties	: Not available.

9.2 Other information

Type of aerosol : Spray

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity : No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability : The product is stable.

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10.3 Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.
Polymerization. : There are no data available on the preparation itself.

10.4 Conditions to avoid

: Avoid all possible sources of ignition (spark or flame).

10.5 Incompatible materials

: Do not mix with Other Products

10.6 Hazardous decomposition products

: Hazardous decomposition products : carbon oxides , Various Organic chemicals.

Instability Conditions

: Not available.

Instability temperature

: Not available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Imiprothrin	LC50 Inhalation Vapor	Rat - Male, Female	>1200 mg/m ³	4 hours
	LD50 Dermal	Rat - Male, Female	>2000 mg/kg	-
	LD50 Oral	Rat - Female	900 mg/kg	-
	LD50 Oral	Rat - Male	1800 mg/kg	-
Mortein Dual AIK Aerosol (Perm) Sunny Blitz*	LC50 Inhalation Dusts and mists	Rat	>4.81 mg/l	4 hours
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat - Female	>2500 mg/kg	-
	LC50 Inhalation Vapor	Rat	658000 mg/m ³	4 hours
Butane d-trans Allethrin 75:25 (Esbiothrin)	LC50 Inhalation Vapor	Rat	2.63 mg/l	4 hours
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	378 to 432 mg/kg	-
	LC50 Inhalation Dusts and mists	Rat	>685 mg/m ³	3 hours
permethrin (ISO)	LD50 Dermal	Rat	1750 mg/kg	-
	LD50 Dermal	Rat	>2500 mg/kg	-
	LD50 Oral	Rat	383 mg/kg	-
	LD50 Oral	Rat	6000 mg/kg	-
	LD50 Oral	Rat	6000 mg/kg	-

Conclusion/Summary

: * Not classified Harmful . Information is based on toxicity test result of the concentrate of a similar product.

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Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Imiprothrin	Eyes - Non-irritating to the eyes.	Rabbit	0	-	-
Mortein Dual AIK Aerosol (Perm) Sunny Blitz*	Skin - Non-irritant to skin.	Rabbit	0	-	-
	Eyes - Mild irritant	Rabbit	-	-	-
d-trans Allethrin 75:25 (Esbiothrin)	Skin - Moderate irritant	Rabbit	-	-	-
	Eyes - Mild irritant	Rabbit	-	-	-
permethrin (ISO)	Skin - Mild irritant	Rabbit	-	-	-
	Eyes - Mild irritant	Rabbit	-	-	-
	Skin - Mild irritant	Rabbit	-	-	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-

Skin : * Irritating to skin. Information is based on toxicity test result of the concentrate of a similar product.

Eyes : * Non-irritating to the eyes. Information is based on toxicity test result of the concentrate of a similar product.

Sensitization

Product/ingredient name	Route of exposure	Species	Result
Imiprothrin	skin	Guinea pig	Not sensitizing
Mortein Dual AIK Aerosol (Perm) Sunny Blitz*	skin	Rat	Not sensitizing
d-trans Allethrin 75:25 (Esbiothrin)	skin	Guinea pig	Not sensitizing
permethrin (ISO)	skin	Guinea pig	Sensitizing

Skin : * Non-sensitizer to skin. Information is based on toxicity test result of the concentrate of a similar product.

Mutagenicity

No known effect according to our database.

Carcinogenicity

No known effect according to our database.

Reproductive toxicity

No known effect according to our database.

Teratogenicity

No known effect according to our database.

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Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Irritating to skin.
- Ingestion** : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:
irritation
redness
- Inhalation** : Adverse symptoms may include the following:
respiratory tract irritation
coughing
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
- Ingestion** : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

Long term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

Potential chronic health effects

Not available.

- Conclusion/Summary** : Not available.
- General** : No known significant effects or critical hazards.
- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

- Other information** : Not available.

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12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Imiprothrin	Acute EC50 3.1 mg/l	Algae	72 hours
	Acute EC50 0.051 mg/l	Daphnia	48 hours
	Acute LC50 0.038 mg/l	Fish	96 hours
Mortein Dual AIK Aerosol (Perm) Sunny Blitz*	Acute EC50 47.11 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 1.38 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 5.24 mg/l Fresh water	Fish - Danio rerio	96 hours
d-trans Allethrin 75:25 (Esbiothrin)	Acute EC50 0.0089 mg/l	Daphnia	48 hours
	Acute LC50 0.013 mg/l	Fish	96 hours
permethrin (ISO)	Acute EC50 68 ug/L Marine water	Algae - Skeletonema costatum - Exponential growth phase	96 hours
	Acute EC50 0.11 ug/L Fresh water	Crustaceans - Orconectes immunis - 2 g	48 hours
	Acute EC50 0.112 ppb Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 0.0006 mg/l	Daphnia	48 hours
	Acute LC50 0.0018 mg/l	Fish - bluegill sunfish	96 hours
	Acute LC50 0.62 ug/L Fresh water	Fish - Oncorhynchus mykiss - 0.89 g	96 hours
	Acute LC50 0.0025 mg/l	Fish	96 hours
	Chronic NOEC 0.66 ug/L Fresh water	Fish - Pimephales promelas - Embryo	32 days

Conclusion/Summary : * Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. Information is based on toxicity test result of the concentrate of a similar product.

12.2 Persistence and degradability

No known effect according to our database.

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Imiprothrin	2.9	-	low
Butane	2.89	-	low
Propane	2.36	-	low
permethrin (ISO)	6.5	-	high

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Mobility : Not available.

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12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal : Waste must be disposed of in accordance with federal, state and local environmental control regulations. Waste packaging should be recycled.

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

Packaging

Methods of disposal : The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

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SECTION 14: Transport information

For long distance transport of bulk material or shrunk pallet take into consideration sections 7 and 10.

	ADR/RID	ADN/ADNR	IMDG	IATA
14.1 UN number	UN1950	UN1950	UN1950	UN1950
14.2 UN proper shipping name	AEROSOLS	AEROSOLS	AEROSOLS. Marine pollutant (esbiothrin)	Aerosols, flammable
14.3 Transport hazard class(es)	2  	2  	2.1  	2.1  
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	Yes.	Yes.	Yes.	Yes.
14.6 Special precautions for user	Not available.	Not available.	Not available.	Not available.
Additional information	<u>Limited quantity</u> 1 L <u>Special provisions</u> 190, 327, 625, 344 <u>Tunnel code</u> (D)	-	<u>Emergency schedules (EmS)</u> F-D, S-U	<u>Passenger and Cargo Aircraft</u> Quantity limitation: 75 kg Packaging instructions: 203 <u>Cargo Aircraft Only</u> Quantity limitation: 150 kg Packaging instructions: 203 <u>Limited Quantities - Passenger Aircraft</u> Quantity limitation: 30 kg Packaging instructions: Y203

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SECTION 15: Regulatory information

Chemical Safety Assessment following regulation 1907/2006/EC: Not relevant.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Annex XVII - Restrictions : Not applicable.

**on the manufacture,
placing on the market
and use of certain
dangerous substances,
mixtures and articles**

CMR Substances

None of the components are listed.

Aerosol dispensers : 80.1% by mass of the contents are flammable.

Standard for the Uniform Scheduling of Medicines and Poisons

Poison schedule (Australia) : Not scheduled

**Australian Pesticides and
Veterinary Medicines
Authority (APVMA)** : 68770

Australia inventory (AICS) : Not applicable

**New Zealand Inventory of
Chemicals (NZIoC)** : Not applicable

HSNO Approval Number : HSR100608

**Approved Handler
Requirement** : Yes

Tracking Requirement : No

SECTION 16: Other information

Abbreviations and acronyms

Europe

: ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DNEL = Derived No Effect Level
EUH statement = CLP-specific Hazard statement
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number

**Key literature references
and sources for data** : Not available.

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Full text of abbreviated H statements

- : H220 Extremely flammable gas.
- H224 Extremely flammable liquid and vapor.
- H280 Contains gas under pressure; may explode if heated.
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H332 Harmful if inhaled.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]

- : Acute Tox. 3, H331 ACUTE TOXICITY: INHALATION - Category 3
- Acute Tox. 4, H302 ACUTE TOXICITY: ORAL - Category 4
- Acute Tox. 4, H312 ACUTE TOXICITY: SKIN - Category 4
- Acute Tox. 4, H332 ACUTE TOXICITY: INHALATION - Category 4
- Aquatic Acute 1, H400 AQUATIC TOXICITY (ACUTE) - Category 1
- Aquatic Chronic 1, H410 AQUATIC TOXICITY (CHRONIC) - Category 1
- Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
- Flam. Gas 1, H220 FLAMMABLE GASES - Category 1
- Flam. Liq. 1, H224 FLAMMABLE LIQUIDS - Category 1
- Press. Gas Comp. Gas, H280 GASES UNDER PRESSURE - Compressed gas
- Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2
- Skin Sens. 1, H317 SKIN SENSITIZATION - Category 1

Full text of abbreviated R phrases

- : R12- Extremely flammable.
- R20/22- Harmful by inhalation and if swallowed.
- R65- Harmful: may cause lung damage if swallowed.
- R38- Irritating to skin.
- R43- May cause sensitization by skin contact.
- R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of classifications [DSD/DPD]

- : F+ - Extremely flammable
- Xn - Harmful
- Xi - Irritant
- N - Dangerous for the environment

End of MSDS