

SAFETY DATA SHEET

Date of Issue: 21.01.2015

Issue: 2

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: TOTAL INSECT KILLER

USE: Control of insects on hard surfaces.
Not for application to plants or animals.

COMPANY IDENTIFICATION : Rentokil Products NZ
Level 1, 89 Carbine Road,
Mt Wellington
Auckland 1060

Private Bag 92905, Onehunga,
Auckland 1643
Tel (+64) (9) 573 7740
Fax (+64) (9) 573 0264

Emergency Telephone Numbers: National Poison Centre
Tel 0800 POISON (0800 764 766)

Emergency Service (Police, Fire, Ambulance)
Dial 111

2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

Product classified as hazardous according to Schedules 1 to 6 of the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 of the HSNO Act 1996.

EPA Register No: HSR007681

HSNO Classifications: 6.5B, 6.8B, 9.1A, 9.4C



Signal word: WARNING

Hazard statements:

H317 May cause an allergic skin reaction

H355 Suspected of damaging fertility or the unborn child

H401 Very toxic to aquatic life

H443 Harmful to terrestrial vertebrates

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Prevention statements:

- P103 Read label before use
- P201 Obtain special instructions before use
- P202 Do not handle until all safety precautions have been read and understood
- P261 Avoiding breathing mist
- P272 Contaminated work clothing should not be allowed out of the workplace
- P273 Avoid release to the environment
- P280 Wear protective gloves
- P281 Use protective clothing as required

Response statements:

- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P333 + P313 If skin irritation or rash occurs: Get medical advice.
- P363 Wash contaminated clothing before re-use.

P308 + P313 IF exposed or concerned: Get medical advice.

P391 Collect spillage.

Storage statements:

- P405 Store locked up.

Disposal statement:

- P501 Dispose of containers and product in accordance with any local regulations.

3. COMPOSITION: INFORMATION ON INGREDIENTS

Common name	CAS. No	% w/w
Cypermethrin	52315-07-8	0.10
Other ingredients	Mixture	balance

4. FIRST AID MEASURES

Consult the National Poison Centre, telephone 0800 764 766 [0800 POISON] or a doctor in every case of suspected poisoning.

INGESTION: Do NOT induce vomiting. Rinse mouth with water. Immediately seek medical advice.

EYES: Hold eyes open and carefully rinse eyes with running water for 15 minutes. Remove contact lenses, if present and easy to do after first 5 minutes then continue rinsing. Seek medical advice if irritation persists.

SKIN: Wash with soap and plenty of water. If irritation persists or rash develops get medical advice.

INHALATION: Move person to fresh air. Seek medical advice if ill-effects occur.

If person is not breathing, begin artificial respiration. Use mouth-to-nose rather than mouth-to-mouth. Get immediate medical attention.

ADVICE TO DOCTOR: Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLASH POINT: Non flammable

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FLAMMABLE LIMITS: LFL: Not applicable UFL: Not applicable
EXTINGUISHING MEDIA: Water spray, water fog, foam, CO₂, dry chemical.
FIRE & EXPLOSION HAZARDS: Avoid breathing fumes/gases.
FIRE-FIGHTING EQUIPMENT: Wear self-contained breathing apparatus and personal protection clothing.

6. ACCIDENTAL RELEASE MEASURES

SPILLS: Contain spillage. Wear gloves and eye protection. Soak up small spills with absorbent material, sand or earth. For larger spills, dyke area with sand or dry earth to prevent entering watercourses or sewer. Recover liquid in labeled container for reuse or disposal. Contaminated solid waste to be recovered for disposal to an approved landfill in accordance with local regulations.

7. HANDLING AND STORAGE

HANDLING: Read label before use. Keep out of reach of children. Wear synthetic rubber or PVC gloves and protect eyes from splashes or mist. Wash hands and exposed skin before eating, drinking or smoking and after work. Avoid contamination of watercourses or the ground. Do not apply onto or into water. Avoid uses or applications that may be harmful to beneficial terrestrial invertebrates, e.g. honey bees.

STORAGE: Store between 5°C and 30 °C in closed original container in a dry place out of reach of children and pets, and away from food, drink and animal feedstuffs.

8. EXPOSURE CONTROLS: PERSONAL PROTECTION

EXPOSURE GUIDELINES: No Workplace Exposure Standard (WES) has been set by WorkSafe NZ for this substance.

ENGINEERING CONTROLS: Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Face/Eye protection: Wear eye protection. If using large volumes or for prolonged periods, the wearing of a face shield is recommended. Avoid contact of product with skin. Facial skin contact may cause temporary facial numbness.

Skin protection: Synthetic rubber or PVC gloves.

Respiratory protection: Use in well ventilated area.

Other: Overalls recommended to protect clothes from contamination. After use, was protective equipment including the inside of gloves. Dry before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Colourless to slight brown
Odour	Slight detergent like odour
Melting point (°C):	Not applicable
Flash point (°C):	Non flammable

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Auto ignition temperature (°C): Not known
Density at 20°C, g/ml: 1,0
Solubility in water: Miscible
pH: 7 - 8

10. STABILITY AND REACTIVITY

STABILITY (CONDITIONS TO AVOID): Stable under normal use and storage conditions.

Avoid extremes of temperature; below 0°C or above 40°C.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS: Irritating fumes/gases may be evolved in the event of a fire.

HAZARDOUS POLYMERIZATION: Not known to occur.

11. TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS: This section includes possible adverse effects, which might occur if this product is not handled in the recommended manner.

INGESTION: Not expected to be harmful by ingestion.

EYE: May be slight irritating.

SKIN: Facial skin contact may cause temporary facial numbness. Prolonged or repeated skin contact may cause an allergic skin reaction in some individuals.

INHALATION: Not expected to be harmful by inhalation route however mists may be irritating to respiratory tract.

SYSTEMIC (OTHER TARGET ORGAN) EFFECTS: No specific additional effects identified.

CANCER INFORMATION: No adverse effects identified.

TERATOLOGY (BIRTH DEFECTS) & REPRODUCTIVE DEFECTS: Product identified with classification as suspected of damaging fertility or the unborn child.

MUTAGENICITY (EFFECTS ON GENETIC MATERIAL): No adverse effects identified.

12. ECOTOXICITY INFORMATION

Cypermethrin is highly ecotoxic to fish and crustacea, and harmful to algae and terrestrial invertebrates.

ENVIRONMENTAL FATE: Not likely to bioaccumulate.

MOVEMENT AND PARTITIONING: Not determined.

DEGRADATION AND PERSISTENCE: Cypermethrin will quickly degrade in soil and water.

ECOTOXICOLOGICAL DATA:

Cypermethrin	Silver barb	LD ₅₀ (96h) 0.40µg/L
	Rainbow trout	LD ₅₀ (96h) 0.69 µg/L
	Daphnia magna	LD ₅₀ (48h) 0.15 µg/L
	Bees	LD ₅₀ (24h) oral 0.035 µg/bee
		LD ₅₀ (24h) topical 0.02 µg/bee

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13. DISPOSAL CONSIDERATIONS

Dispose of any waste in accordance with Regional Authority or local Council regulations. Triple rinse container with water before crushing and disposing of to landfill. Single clean empty containers can be disposed of in normal rubbish collection.

14. TRANSPORT REGULATIONS

TRANSPORT:

UN Number: 3082
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S (CONTAINS CYPERMETHRIN)
HAZCHEM: 3Z
Class: 9
Packing Group: III (or IV)

DANGEROUS GOODS SEGREGATION:

This product is classified as a Dangerous Good for land transport. Please consult the Land Transport Rule: Dangerous Goods 2005 and NZS 5433:2012 *Transport of Dangerous Goods on Land* for further information.



15. REGULATORY INFORMATION

EPA Register : HSR007681; RENTOKIL TOTAL INSECT KILLER.
Refer to www.epa.govt.nz for applicable Controls under the HSNO Act 1996.
Note the default controls for having an Approved Handler and for Tracking have been waived. Control 77A applies: This substance must not be applied onto or into water.

16. OTHER INFORMATION

Date of Issue: 21 January, 2015
Reason for issue: 5-year review of SDS.
Replaces: Safety Data Sheet dated 18 March 2010

Abbreviations:

EPA Environmental Protection Authority
GHS Global Harmonised System
HSNO Hazardous Substances and New Organisms Act
NZIoC New Zealand Inventory of Chemicals
STEL Short Term Exposure Limit (15 minute exposure period)
TWA Time-Weighted Average (8 hours exposure period)
WES Workplace Exposure Standard

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References:

EPA website www.epa.govt.nz

Supplier Safety Data Sheets

Before using any product, read its label carefully and ensure that you understand its contents. This information is, to the best of our knowledge and belief, accurate and reliable at the date of publication. The information relates only to the specific material designated and may not be valid for such material if it is used in combination with any other material(s). Rentokil Initial Limited disclaims any liability for loss or damage suffered from the use of this information. This does not affect your statutory rights. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for his/her own particular use.

END of SAFETY DATA SHEET