

# SAFETY DATA SHEET

Date of Issue: 31.01.2020

Issue: 3

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT:** TOTAL INSECT KILLER

**DESCRIPTION & 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 Poisons 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 (Classification) Notice 2017 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.

H361 Suspected of damaging fertility or the unborn child.

H400 Very toxic to aquatic life.

H443 Harmful to terrestrial invertebrates.

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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 Avoid breathing vapours.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves.  
P281 Use personal protective equipment as required.

### Response statements:

- P308 + P313 IF exposed or concerned: Get medical advice.  
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.  
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	52315-07-08	0.10
Other ingredients	Trade secret	Balance

## 4. FIRST AID MEASURES

Consult the National Poisons Centre, telephone 0800 764 766 [ 0800 POISON ] or a doctor in every case of suspected poisoning. Have product label or container at hand.  
If exposed or concerned, get medical advice.

**INGESTION:** Do NOT induce vomiting. Immediately seek medical advice. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into lungs.

**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 eye irritation persists.

**SKIN:** Wash with soap and plenty of water. Get medical attention if irritation persists or if a rash develops.

**INHALATION:** Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

**ADVICE TO DOCTOR:** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**FLASH POINT:** Non flammable.

**FLAMMABLE LIMITS:** LFL: Not applicable UFL: Not applicable

**EXTINGUISHING MEDIA:** Water fog or spray, foam, CO<sub>2</sub>, dry chemical. Do not use water jet.

**COMBUSTION PRODUCTS:** Smoke, unspecified harmful/toxic compounds.

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**FIRE & EXPLOSION HAZARDS:** Keep adjacent containers cool by spraying with water.

**FIRE-FIGHTING EQUIPMENT:** Wear self-contained breathing apparatus (SCBA) and personal protection clothing.

### 6. ACCIDENTAL RELEASE MEASURES

**SPILLS:** Contain spillage. Wear protective clothing/gloves/eye protection. Stop leak if safe to do so. Prevent contamination of waterways. Recover liquid spills into labeled container that can be sealed. Allow residues to evaporate or soak up with an appropriate inert absorbent material, e.g. sand, earth, vermiculite. Remove contaminated materials including soil for disposal to approved landfill in accordance with local regulations.

### 7. HANDLING AND STORAGE

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

**STORAGE:** Store locked up in closed original container between 5°C and 30°C in 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 well-ventilated area.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):**

**Face/Eye protection:** Safety glasses with side shields recommended. If using large volumes or for prolonged intervals, the wearing of a face shield is recommended. Facial skin contact may cause temporary facial numbness.

**Skin protection:** Rubber or PVC gloves.

**Respiratory protection:** Should not be required when product is used in well-ventilated areas.

**Other:** It is recommended to wear chemical resistant overalls, and safety shoes or boots if using in commercial applications.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless to slight brownish liquid
Odor	Slight, detergent like
Odor threshold:	Not available
pH:	7.0 - 8.0
Melting point/Freezing point (°C):	Not available
Boiling point (°C):	~100 °C
Flash point (°C):	Not flammable
Flammability (solid, gas):	Not applicable
Upper/lower flammability limits:	Not applicable

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Vapour pressure (Pa at 0°C):	Not available
Vapour density:	Not available
Specific gravity at 15°C, g/ml:	1.0
Solubility:	Miscible in water
Partition coefficient: n-octanol/ water:	Not available
Auto ignition temperature (°C):	Not available
Decomposition temperature (°C):	Not available
Kinematic viscosity:	Not available

### 10. STABILITY AND REACTIVITY

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

Avoid extremes of temperature, i.e. below 0 °C or above 40 °C.

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

**HAZARDOUS DECOMPOSITION PRODUCTS:** Unspecified harmful/toxic compounds.

**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.

**ACUTE TOXICITY:** Not classified as harmful if swallowed, inhaled or absorbed through skin.

**ASPIRATION HAZARD** Not classified.

**RESPIRATORY IRRITATION:** Spray mist may be slightly irritating.

**SKIN CORROSION/IRRITATION:** Facial skin contact may cause temporary facial numbness.

**EYE DAMAGE/IRRITATION:** May be mildly irritating.

**RESPIRATORY O SKIN SENSITISATION:** Prolonged or repeated skin contact may cause an allergic skin reaction in some individuals.

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

**CANCER INFORMATION:** No adverse effects identified.

**REPRODUCTIVE OR TERATOLOGY (BIRTH DEFECTS) DEFECTS:** Classified as being suspected of damaging fertility or the unborn child.

**SYSTEMIC (OTHER TARGET ORGAN) EFFECTS:** Not classified.

**NARCOTIC EFFECTS:** No information available to indicate any effect.

**TOXICOLOGY DATA:** Not available.

### 12. ECOTOXICITY INFORMATION

**ECOTOXICITY:** Product is classified as highly toxic to aquatic life and harmful to terrestrial invertebrates.

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

**POTENTIAL TO BE BIOACCUMULATIVE:** Not expected to bioaccumulate.

**MOBILITY IN SOIL:** Product is miscible in water.

**OTHER INFORMATION:** A person must not apply Rentokil Total Insect Killer if -

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- in an area where bees are foraging and Rentokil Total Insect Killer is in a form in which bees are likely to be exposed to it; or
- on specific plants likely to be visited by bees if the plant is in open flower or part bloom, or is likely to flower within a specified period of time following application of Rentokil Total Insect Killer (not longer than 10 days).

### ECOTOXICOLOGICAL DATA:

Cypermethrin	Silver barb	LC <sub>50</sub> (96hr)	0.40 µg/L
	Rainbow trout	LC <sub>50</sub> (96hr)	0.69 µg/L
	<i>Daphnia magna</i>	LC <sub>50</sub> (48 hr)	0.15 µg/L
	Honey bee ( <i>Apis mellifera</i> )	LD <sub>50</sub> oral	0.035 µg/bee
		LD <sub>50</sub> topical	0.02 µg/bee

## 13. DISPOSAL CONSIDERATIONS

**PRODUCT:** Dispose of waste or contaminated materials to an approved landfill in accordance with local regulations.

**CONTAINER:** Empty container completely, vent and allow residues to dry away from ignition sources then dispose of safely. Do not use for storage of other products; containers may contain hazardous residues. Crush and bury in approved landfill accordance with local authority regulations.

## 14. TRANSPORT REGULATIONS

### TRANSPORT:

UN Number: 3082  
PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S. (CONTAINS CYPERMETHRIN 0.1%)  
Class: 9  
Packing Group: III  
HAZCHEM: 3Z

### 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

Hazardous substance according to the HSNO Act 1996 Hazardous Substances (Classification) Notice 2017.

HSNO Approval Code: HSR007681.

Substance name: Rentokil Total Insect Killer

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Refer to Section 2 for hazardous classifications and to [www.epa.govt.nz](http://www.epa.govt.nz) for Controls and Conditions.

**Control 77A applies:** This substance must not be applied onto or into water.

For additional compliance information refer to Worksafe NZ [www.worksafe.govt.nz](http://www.worksafe.govt.nz).

### ACVM Act 1996

**Registration number:** Not required (exempt product use).

## 16. OTHER INFORMATION

**Date of Issue:** 31 January, 2020  
**Reason for issue:** 5-year review of SDS.  
**Replaces:** Safety Data Sheet dated 21 January 2015

### 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

### References:

EPA website [www.epa.govt.nz](http://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