

# SAFETY DATA SHEET

Date of Issue: 18.03.2010

Issue :1

## 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  
6a Pacific Rise, Mt Wellington,  
Auckland

Private Bag 92905, Onehunga,  
Auckland 1643  
Tel (+64) 9 - 588 4500  
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.

**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

**Prevention statements:**

## TOTAL INSECT KILLER

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

### 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.

**EYES:** Hold eyes open and carefully rinse eyes with running water. Remove contact lenses, if present and easy to do. Seek medical advice if irritation persists.

**SKIN:** Wash with soap and water and rinse thoroughly.

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

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

**EXTINGUISHING MEDIA:** Water spray, water fog, foam, CO<sub>2</sub>, dry chemical.

**FIRE & EXPLOSION HAZARDS:** Avoid breathing fumes/gases.

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

## TOTAL INSECT KILLER

---

### 6. ACCIDENTAL RELEASE MEASURES

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

## TOTAL INSECT KILLER

---

### 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.

**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.

**INGESTION:** Not expected to be harmful by ingestion.

**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

**ENVIRONMENTAL FATE:** Not likely to bioaccumulate.

**MOVEMENT AND PARTITIONING:** Not determined.

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

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

Cypermethrin                      Silver barb                      LD<sub>50</sub> (96h) 0.40µg/L

## TOTAL INSECT KILLER

---

Rainbow trout	LD <sub>50</sub> (96h)	0.69 µg/L
Daphnia magna	LD <sub>50</sub> (48h)	0.15 µg/L
Bees	LD <sub>50</sub> (24h) oral	0.035 µg/bee
	LD <sub>50</sub> (24h) topical	0.02 µg/bee

### 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 5433:2007 *Transport of Dangerous Goods on Land* for further information.

### 15. REGULATORY INFORMATION

ERMA Register : Originally HSR007681.  
Refer to [www.ermanz.govt.nz](http://www.ermanz.govt.nz) for applicable Controls under the HSNO Act 1996.

### 16. OTHER INFORMATION

**Reason for issue:** New Safety Data Sheet.

#### Abbreviations:

ERMA Environmental Risk Management Authority  
HSNO Hazardous Substances and New Organisms  
STEL Short Term Exposure Limit  
TWA Time Weighted Average  
WES Workplace Exposure Standard

#### References:

## TOTAL INSECT KILLER

---

ERMA website [www.ermanz.govt.nz](http://www.ermanz.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