

**KOMBAT CYPERMETHRIN HOME GARDEN**

Version: 1.1

Revision Date: 2015


**1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY UNDERTAKING:**
**PRODUCT INFORMATION**

**Product Name** : KOMBAT CYPERMETHRIN HOME GARDEN  
**Design Code** : ...  
**Registration No.** : L9806  
**Use** : Insectide  
**Company** : Kombat (Pty) Ltd  
 39 Dr. Gordon Road  
 Greytown  
 3250  
**Telephone** : [033] 417-1906/7



Harmful



Dangerous for the environment

**EMERGENCY TELEPHONE NUMBERS**
**SPILLAGES:**

Emergency telephone: (+27) 032 5330716 or 082 446 8946

**POISONINGS:**

National Poison Centre: 021-9386084 (office hours) / 021-9316129 (after hours).

UOFS Pharmacology/Toxicology information centre: 0824910160

**2. HAZARD IDENTIFICATION**

Note: Please refer to Section 11 for detailed toxicological information.

**Emergency Overview** : The active ingredient at high concentrations is toxic to fish and other aquatic organisms.  
**Physical State** : Liquid  
**Odor** : Mild odour  
**Appearance** : Yellow –brown  
**Routes of Exposure** : Skin contact and absorption and vapor/mist inhalation.  
**Immediate Effects** :  
**Eye** : Corrosive – causes irreversible eye damage.  
**Skin** : Causes moderate skin irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Harmful if absorbed through skin.  
**Ingestion** : Fatal if swallowed.  
**Inhalation** : Harmful is inhaled.



### 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### PRODUCT DESCRIPTION:

For insect control on cotton.

Component Name	CAS No	Concentration % by weight	
		Minimum	Maximum
Cypermethrin	52315-07-8	20.0	
Inert ingredients,	Trade Secrets	80.0	

### 4. FIRST- AID MEASURES

#### General Information

Remove contaminated, soaked clothing immediately and dispose of safely

**Eye** : Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention.

**Skin** : Wash with plenty of soap and water. Seek medical attention.

**Ingestion** : Call a doctor or get medical attention. Do not induce vomiting because aspiration hazard. Do not give anything by mouth to an unconscious person. Avoid alcohol.

**Inhalation** : Remove victim to fresh air and keep at rest. Get medical attention.

#### Note to Physician

**Symptoms** : **After skin contact-** Paresthesia (local)  
Excitement, Gastrointestinal complaints, Tremor, Eye & skin irritation. Treat with Vitamine E cream.

### 5. FIRE-FIGHTING MEASURES

**Flash Point:** 172°F / 78° C  
Test type: Closed Cup

#### Extinguishing Media:

For small fires: use dry chemical, carbon dioxide (CO<sub>2</sub>)

For large fires, use foam, water, move containers from fire area if within risk. Cool containers with water from maximum distance.

#### Fire Fighting Instructions:

Keep upwind. Isolate hazard area. Avoid inhalation of smoke and fumes. Use water or foam to reduce fumes. Do not touch spilled material. Avoid release of extinguishing water into the environment.



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## 6. ACCIDENTAL RELEASE MEASURES

### General and Disposal:

Use proper protective equipment to minimize personal exposure (See section 8). Take all necessary action to prevent and to remedy the effects of the spill. Ensure that the disposal is in compliance with Federal or local disposal regulations. Notify the appropriate authorities immediately. See Section 13 for any applicable Reportable Quantity (RQ) and other federal regulatory information. Report immediately to authorities if liquid enters watercourse or sewer.

### Land Spill and Leaks:

Combustible liquid. Do not touch spilled material. Take up with sand, earth or other non-combustible absorbent material or dike for later disposal. Avoid flame or sparks.

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## 7. HANDLING AND STORAGE

### Handling:

Avoid breathing spray mist. Do not get in eyes, on skin, or on clothing. Do not use near heat or open flame.

### Storage:

Do not use or store near heat or open flame. Do not contaminate water, food, or feed by storage or disposal.

### Work/ Hygienic Procedures:

Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this products concentrate. Do not reuse them. For additional handling precautions, refer to the Product Label for "User Safety Recommendations", as defined by the EPA Worker Protection Standard (40 CFR part 170)

### Ideal Storage Temperatures:

Between 0°C - 30°C. Protect from frost.

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## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

### Engineering Controls:

Control airborne concentrations below the exposure guidelines. Local exhaust ventilation may be necessary, when used in a confined area.

### Eye/Face Protection:

Protective eyewear, goggles or face-shield.

### Body Protection:

Chemical-resistant gloves such as barrier laminate or viton.

**Respiratory Protection:**

When ventilation is inadequate wear either a respirator with an organic vapor-removing cartridge with a pre-filter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number 14G)

**AGRICULTURAL USES:**

The following personal protective equipment (PPE) must be worn when using product or upon early entry into treated areas during the Restricted Entry Interval (REI):

- Overalls over short-sleeved shirts and short pants
- Chemical-resistant gloves such as barrier laminate or viton
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Form</b>	: Liquid
<b>Color</b>	: Yellow-brown
<b>Odor</b>	: Mild odour
<b>Bulk Density ( g/ml)</b>	: 1.23g/ml
<b>Flash point</b>	: >61°C
<b>Solubility</b>	: Dispersible
<b>pH</b>	:
<b>Specific Gravity</b>	: 1.23

**10. STABILITY AND REACTIVITY****Thermal decomposition:**

270°C

**Hazardous decomposition products:**

No hazardous decomposition products if handled and stored as prescribed.

**11. TOXICOLOGICAL INFORMATION**

<b>Acute Oral Toxicity</b>	: Rat: LD50: >250 mg/kg.	Highly Toxic
<b>Acute Dermal Toxicity</b>	: Rat: LD50: >1600 mg/kg	Slightly toxic
<b>Acute Inhalation Toxicity</b>	: Rat: LC50: >0.7 mg/l 4 h	Moderately Toxic
<b>Skin Irritation</b>	: Rabbit	Mild irritant
<b>Eye Irritation</b>	: Rabbit	Mild irritant
<b>Sensitization</b>	: Guinea pig	Weakly sensitizing



## 12. ECOLOGICAL INFORMATION

### Acute and Prolonged:

Cypermethrin Technical

Toxicity to Fish: Fish :LC50: 0.001-0.01 mg/l: Extremely Toxic

### Environmental Precautions:

This pesticide is extremely toxic to fish and other aquatic organisms, including crab and shrimp. Use with care when applying in areas adjacent to any body of water. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Drift or runoff from treated fields may kill fish and other aquatic organisms. Do not contaminate water by cleaning of equipment or disposal of equipment wastewaters.

This product is highly toxic to bees exposed to direct treatment.

Do not apply it, or actively foraging allow it to drift, to crops or weeds on which bees are.

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## 13. DISPOSAL CONSIDERATIONS

### General Disposal Guidance:

Any disposal practice must be in compliance with all Federal, State/Provincial, and local laws and regulations. State (Provincial) and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Chemical additions, processing, storage, or otherwise altering this material may make the waste disposal information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Waste characterization and disposal compliance are the responsibility solely of the party generating the waste of deciding to discard or dispose of the material.

Refer to appropriate Federal (RCRA: 40 CFR: 261), State/Provincial, or local requirements for proper classification information. For regulatory information on the ingredient components, see Section 15.

Pesticide Disposal: Do not contaminate water, food or feed by storage of disposal.

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### Container Disposal:

Empty containers should be triple rinsed into the spray tank during operation. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration, or if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

### RCRA Classification:

Not Regulated under this Statute.

### SARA Title III – section 313 – toxic chemical release reporting

N-Methyl-pyrrolidone	872-50-4	1%
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## 14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: Pyrethroid Pesticides, liquid, toxic, (Cypermethrin), IMDG 6.1, UN 3017, III

# KOMBAT CYPERMETHRIN HOME GARDEN

Version: 1.0 SHIPPING LABEL: Hazard warning

Revision Date: 2015



NOTE: For transportation purposes (49 CFR Part 173.132), the calculated LC50 (rat – 1 hr) is:  
2.28 mg/l

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## 15. REGULATORY INFORMATION

### EU Classification

Cypermethrin	52315-07-8	N - Dangerous for the environment Xn - Harmful
R Phrases	20 - Also harmful by inhalation and if swallowed. 50/53 - Very toxic to aquatic organisms, may cause long-term adverse affects in the aquatic environment	
Safety advice	Keep out of reach of children When using do not eat, drink or smoke This material and its container must be despose of as hazardous waste. Avoid release to the environment.	

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## 16. OTHER INFORMATION

**Usage** : A broad spectrum insecticide

**KOMBAT CYPERMETHRIN..... is the property of KOMBAT (Pty) Ltd.**

**Read the label before use or buy.**

Disclaimer:

Read the label before use or buy.

All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors or omissions or the consequence thereof.

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