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## KOMBAT FRUITFLY

Version: 1.0

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Language: EN

According to the Globally Harmonised System of Classification and Labelling of Chemicals, version 9

# Safety Data Sheet

section

## 1 Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name/designation : KOMBAT FRUITFLY

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : Insecticide.  
Uses advised against : No data available.

### 1.3 Details of the supplier of the safety data sheet

Supplier : **Name:** Kombat (Pty) Ltd  
**Street:** 39 Dr Gordon Street  
**Postal code/City:** Greytown, 3250  
**Country:** South Africa.  
**Telephone:** +27 (0) 33 417 1906/7  
**Email:** [admin@kombat.co.za](mailto:admin@kombat.co.za)

### 1.4 Emergency Telephone Number

ZA: **Emergency Tel:** +27 82 446 8946  
**POISON CENTER:** +27 861 555 777

## section 2 Hazards identification

### 2.1 Classification of the substance or mixture

**Hazards identification:** The KOMBAT FRUITFLY mixture is classified as:

H335	STOT SE 3	May cause respiratory irritation.
H410	Chronic Aquatic 1	Very toxic to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labelling

#### Hazard pictograms



#### Signal word

WARNING

#### Hazard Statements

H335	May cause respiratory irritation.
H410	Very toxic to aquatic life with long lasting effects.

#### Precautionary Statements - Prevention

P260	Do not breathe dust.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing.

#### Precautionary Statements - Response

P312	Call a POISON CENTER/doctor if you feel unwell.
P391	Collect spillage.

#### Precautionary Statements - Disposal

P501	Dispose of contents/container to local and national regulations.
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### 2.3 Other hazards

None.

section **3** **Composition/information on ingredients**

**3.1 Mixtures**

Substance		Concentration (%)	Specific concentration limits	Classification
<b>Cypermethrin Technical (93%)</b>				
CAS N°	52315-07-8	C ≤ 2.0 %		H332 Harmful if inhaled. H302 Harmful if swallowed. H335 May cause respiratory irritation. H410 Very toxic to aquatic life with long lasting effects
EC N°	257-842-9			

**3.2 Remark**

Full text of H- phrases: see section 16.

section **4** **First aid measures**

**4.1 Description of first aid measures**

**General information:**

When in doubt or if symptoms are observed, get medical advice. Call a POISON CENTER/doctor if you feel unwell.

**Following inhalation:**

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor.

**Following skin contact:** IF ON SKIN: Wash with plenty of water. Call a POISON CENTER/doctor if you feel unwell.

**Following eye contact:**

In case of eye irritation consult an ophthalmologist.

Rinse immediately carefully and thoroughly with eye-bath or water.

**Following ingestion:**

IF SWALLOWED: Rinse mouth.

Do NOT induce vomiting. Seek medical attention. IF SWALLOWED: Immediately call a POISON CENTER/doctor.

**Self-protection of the first aider:**

No special measures are necessary.

**4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

**4.3 Indication of any immediate medical attention and special treatment needed**

**Notes for the doctor:**

Treat symptomatically.

## section 5 Firefighting measures

### 5.1 Extinguishing media

#### **Suitable extinguishing media:**

Foam.  
Extinguishing powder.  
Carbon dioxide (CO<sub>2</sub>).  
Sand.

#### **Unsuitable extinguishing media:**

Strong water jet.

### 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

### 5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

### 5.4 Additional information

Do not inhale vapors and fumes.  
Co-ordinate fire-fighting measures to the fire surroundings.  
Move undamaged containers from immediate hazard area if it can be done safely.  
Use caution when applying carbon dioxide in confined spaces. carbon dioxide can displace oxygen.  
Use water spray jet to protect personnel and to cool endangered containers.  
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## section 6 Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment.

### 6.2 Environmental precautions

Ensure that waste is collected and contained.  
Contain leaks or spills within cabinets with removable trays.

### 6.3 Methods and material for containment and cleaning up

Treat the recovered material as prescribed in the section on waste disposal.  
Collect in closed and suitable containers for disposal.  
Absorb with liquid-binding material ( e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Wipe up with absorbent material (eg. cloth, fleece).

## 6.4 Reference to other sections

Safe handling: see section 7.

Disposal: see section 13.

Personal protection equipment: see section 8.

## 6.5 Additional information

Not available

# section 7 Handling and Storage

## 7.1 Precautions for safe handling

### **PROTECTIVE MEASURES:**

No special measures are necessary.

### **Advices on general occupational hygiene:**

Wash hands before breaks and after work.

Remove contaminated, saturated clothing.

## 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry, cool, and well-ventilated place.

Keep container in upright position in order to prevent leakage.

### **Advice on joint storage:**

Keep away from food, drink and animal feedingstuffs.

## 7.3 Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

# section 8 Exposure controls/personal protection

## 8.1 Control parameters

### **Occupational exposure limits:**

Does not contain substances above concentration limits fixing an occupational exposure limit.

### **Biological limit values:**

Not available

### **Exposure limits at intended use:**

Not available

## 8.2 Exposure controls

### **Appropriate engineering controls:**

See section 7. No additional measures necessary.



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## Personal protection equipment:

- Eye/face protection** : **Suitable eye protection:**  
Wear eye protection equipment.
- Skin protection** : **Hand protection:**  
**Suitable gloves type:**  
Wear protective gloves.  
**Body protection:**  
**Suitable protective clothing:**  
Lab coat.
- Respiratory protection** : **Suitable respiratory protection apparatus:**  
Wear a dust mask.

## Environmental exposure controls:

No special measures are necessary.

## section 9 Physical and chemical Properties

### 9.1 Information on basic physical and chemical properties

- Physical state** : Liquid
- Colour** : Yellow to Brown.
- Odour** : Mild
- Odour threshold** : Not applicable.
- pH** : Not applicable.
- Melting/Freezing point** : Not applicable.
- Boiling point** : Not applicable.
- Flash point** : >61 °C
- Evaporation rate** : Not applicable.
- Flammability** : Not flammable.
- Lower limit of flammability or explosive** : Not available.
- Vapour pressure** : Not available.
- Vapour density** : Not available.
- Relative density** : 1.23g/ml
- Water solubility** : Soluble.
- Partition coefficient, n-octanol/water (log Pow)** : Dispersible.
- Auto-inflammability temperature** : Not applicable.
- Decomposition temperature** : Not applicable.
- Viscosity** : Not applicable.
- Explosive properties** : Not applicable.
- Oxidising properties** : Not applicable.
- Solubility in other Solvents** : Not available.
- Log Kow** : Not applicable.

## section 10 Stability and Reactivity

### 10.1 Reactivity

The product is stable when stored at normal ambient temperatures.

## 10.2 Chemical stability

The product is stable when stored at normal ambient temperatures.

## 10.3 Possibility of hazardous reactions

The product is stable when stored at normal ambient temperatures.

## 10.4 Conditions to avoid

Store in a cool, dry storage.

## 10.5 Incompatible materials

No data available.

## 10.6 Hazardous decomposition products

The product is stable when stored at normal ambient temperatures. Thermal decomposition is at 270 °C.

## 10.7 Additional information

Not available.

# section 11 Toxicological information

## 11.1 Acute oral toxicity

**Mixture:** The product is not classified.

## 11.2 Acute dermal toxicity

**Mixture:** The product is not classified.

## 11.3 Acute inhalation toxicity

**Mixture:** The product is not classified.

## 11.4 Skin corrosion/irritation

**Mixture:** The product is not classified.

## 11.5 Serious eye damage/irritation

**Mixture:** The product is not classified.

## 11.6 Skin sensitisation

**Mixture:** The product is not classified.

## 11.7 Specific target organ toxicity (repeated exposure)

**Mixture:** The product is not classified.

## 11.8 Specific target organ toxicity (single exposure)

**Mixture:** The product is classified as STOT SE3 – H335 May cause respiratory irritation.

## 11.9 Carcinogenicity

**Mixture:** The product is not classified.

## 11.10 Reproductive toxicity

**Mixture:** The product is not classified.

## 11.11 Germ cell mutagenicity

**Mixture:** The product is not classified.

## 11.12 Sensitisation to the respiratory tract

**Mixture:** The product is not classified.

## 11.13 Additional information

None.

# section 12 Ecological information

## 12.1 Toxicity

**Mixture:** The mixture is classified as Aquatic Chronic Category 1 – H410 – Very toxic to aquatic life with long lasting effects.

## 12.2 Persistence and degradability

**Mixture:** The product has not been tested.

## 12.3 Bioaccumulative potential

**Mixture:** The product has not been tested.



## 12.4 Mobility in soil

**Mixture:** The product has not been tested.

## 12.5 Results of PBT and vPvB assessment

No data available.

## 12.6 Other adverse effects

No data available.

## 12.7 Additional ecotoxicological information

Not available.

# section 13 Disposal considerations

## 13.1 Waste treatment methods

### **Product/Packaging disposal:**

#### **Waste treatment options:**

**Appropriate disposal/Product:** Dispose of waste according to applicable legislation.

#### **Appropriate disposal/Package:**

Non-contaminated packages must be recycled or disposed of.

Contaminated packing must be completely emptied and can be reused after proper cleaning.





Packing which cannot be properly cleaned must be disposed of.

Dispose of waste according to applicable legislation.

#### **Remark:**

For recycling, contact manufacturer.

section **14** Transport information

		Land transport (ADR/RID):	Inland waterway transport (ADN):	Sea transport (IMDG):	Air transport (ICAO-TI/IATA- DGR):
<b>14.1</b>	UN number:	3352	3352	3352	3352
<b>14.2</b>	UN proper shipping name:	Pyrethroid pesticide, liquid toxic (Cypermethrin)	Pyrethroid pesticide, liquid toxic (Cypermethrin)	Pyrethroid pesticide, liquid toxic (Cypermethrin)	Pyrethroid pesticide, liquid toxic (Cypermethrin)
<b>14.3</b>	Transport hazard class(es):				
	Class or Division:	6.1	6.1	6.1	6.1
	Hazard label(s):				
<b>14.4</b>	Packing group:	III	III	III	III

**14.5 Environmental hazards**



Fish and Tree Symbol.

**14.6 Special precautions for user**

N/A

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

N/A

section **15** Regulatory information

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

This SDS has been established in accordance with GHS regulation.

**15.2 Chemical Safety Assessment**

Not available.

## 16 Other information

### 16.1 Indication of changes

Not applicable (first edition of the MSDS).

### 16.2 Abbreviations and acronyms

CAS: Chemical Abstract Service Number.

IATA: International Air Transport Association.

IMDG: International Maritime Dangerous Goods Code.

DPD Dangerous Preparation Directive.

UN number: United Nations number.

No EC: European Commission Number.

GHS: Globally Harmonised System of Classification and Labeling of Chemicals.

### 16.3 Key literature references and sources for data

No data available.

### 16.4 The classification of the mixture is in accordance with the evaluation method described in HazCom 2012

The classification of the mixture is in accordance with the evaluation method described in the GHS.

### 16.5 The classification of the mixture is in accordance with the evaluation method described in the GHS

H335	STOT SE 3	May cause respiratory irritation.
H410	Chronic Aquatic 1	Very toxic to aquatic life with long lasting effects.

### 16.6 Training advice

Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet

### 16.7 Additional information

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The information given in this Safety Data Sheet is based on our present knowledge and on GHS guidelines rev 9. and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.