



# MATERIAL SAFETY DATA SHEET

## SUPA-KILL FLYING INSECT CANDLE

**Date Issued:** May 2011 and is valid for 3 years from this date.

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**Revision No.:** 3

**Print Date:** 3/10/14

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**TRADE NAME:** SUPA-KILL FLYING INSECT CANDLE

**SUPPLIER:** EFEKTO

PO BOX 652147

BENMORE

2010

**TEL No.** 011 287 5700

#### EMERGENCY TELEPHONE NUMBERS:

**SPILLAGES:** 083 1233 911

**Fax:** 086 685 3129

#### POISONINGS:

**National Poison Centre** 021-9386084 (office hours).

021-9316129 (after hours).

082 446 8946

**Use:** Candle for repelling flying insects.

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### 2. HAZARDS IDENTIFICATION

- May cause slight irritation.

The active ingredient, citronella oil, is not classified as hazardous.

#### Likely routes of exposure:

Skin and eye contact, ingestion and inhalation.

#### Ingestion:

Small quantities are unlikely to cause toxic effect. Swallowing of large amounts is unlikely.

Large quantities may give rise to gastro-intestinal disorders.

#### Eyes:

Not irritating to the eyes.

#### Skin:

No skin irritation.

#### Inhaled:

Inhalation may cause slight irritation to the nose and respiratory tract..

**Chronic health effects:** None known.

**Symbol:** None

**Risk Phrase:** None



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**UN No.:** Not regulated.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Active ingredients:**

Active ingredients.	CAS No.:	EC No.:
Citronella oil 1.0 %	8000-29-1	
Waxes >99.0 %	-	-

**Chemical Name:** citronellal (3,7-dimethyl-6-octenal) + Geraniol ((E)-3,7-dimethyl-2,6-octadien-1-ol) + Citronellol (3,7-dimethyl-6-octan-2-ol) + Geranyl acetate (3,7-dimethyl-6-octen-1yl acetate)

**Chemical Family:** Plant oil

**Chemical Formula:** C<sub>10</sub>H<sub>18</sub>O (main component).

**NIOSH/RTECS No.:** Not available.

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### 4. FIRST-AID MEASURES

**Ingestion:**

Toxicity is unlikely following ingestion of small amounts or from contact with intact skin.

**Inhalation:** Move the exposed person to fresh air.

**Eye contact:** No special requirements.

**Skin contact:** No special requirements.

**Advice to physician:** No antidote. Treat symptomatically.

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### 5. FIRE-FIGHTING MEASURES

The product is combustible in case of fire.

**Extinguishing agents:**

Extinguish small fires with water, carbon dioxide, dry powder, or alcohol-resistant foam. DO NOT use a solid water stream as it may scatter and spread the fire).

**Firefighting:**

Remove containers from fire area if possible. Contain fire control agents for later disposal. Use a recommended extinguishing agent. Water can be used to cool unaffected containers. Avoid inhaling hazardous vapours. Keep upwind.

**Hazardous Decomposition Products:** When exposed to fire, produces normal products of combustion.

**Personal protective equipment:**

Fire fighters and others that may be exposed should standard protective clothing.

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### 6. ACCIDENTAL RELEASE MEASURES

**Spillage:**

**Personal precautions:** No special protective clothing to be worn when clearing spillage.

Collect/shovel cooled wax into a suitable container for disposal.

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### 7. HANDLING AND STORAGE

**Handling:**

Never leave burning candles unattended. Avoid molten wax.

**Storage:**

Keep product in original container. Keep containers closed, in a well-ventilated place. Store away from food, drink and animal feeding stuffs. Keep away from children and uniformed persons. Adhere to local regulations.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational exposure limits:**

No specific official limit.

**Engineering controls:**

All work should be carried out in such a way as to avoid skin contact and minimize exposure.

**Respiratory protection:**

Avoid breathing vapours.

**Precautionary and engineering measures:**

Avoid contact and provide ventilation where necessary.

**Personal Protection:**

After handling product, wash hands and observe good hygiene practice.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Solid wax candle in a tin with fitted lid.

**Colour:** Yellow

**Odour:** Pleasant, organic odour.

**Explosive properties:** None

**Solubility at 20 °C (g/L):** Not soluble in water.

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### 10. STABILITY AND REACTIVITY

**Storage stability:**

Stable for up to 2 years under normal dry, shaded warehouse conditions.

**Conditions to avoid:** Heat and sources of ignition.

**Incompatibility:** No information.



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**Hazardous decomposition products:** When exposed to fire, produces normal products of combustion.

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### 11. TOXICOLOGICAL INFORMATION

**Acute oral LD<sub>50</sub>:** >5000 mg/kg [estimate].

**Acute dermal LD<sub>50</sub>:** No data.

**Acute inhalation LC<sub>50</sub>:** Could cause irritation.

**Acute skin irritation:** Will not irritate the skin.

**Acute eye irritation:** Will not cause irritation.

**Dermal sensitization:** No information.

**Carcinogenicity/ Teratogenicity/ Mutagenicity:** Not carcinogenic or mutagenic.

**Neurotoxicity:** Not neurotoxic

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### 12. ECOLOGICAL INFORMATION

#### ECOTOXICOLOGY:

The product is water-insoluble and has no detrimental effect on plants, animals or micro-organisms.

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### 13. DISPOSAL CONSIDERATIONS

#### Disposal:

Residue and empty containers may be disposed of in municipal waste.

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### 14. TRANSPORT INFORMATION

**UN No.:** Not regulated.

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### 15. REGULATORY INFORMATION

**Symbol:** None

#### Risk phrases:

None.

#### Safety phrases:

**S2** Keep out of the reach of children.

**S3** Keep in a cool place.

**S9** Keep container in a well-ventilated place.

**S15** Keep away from heat.

**S16** Keep away from sources of ignition.

**National legislation:** In accordance with the South African National Road Traffic Act, 1996 (Act 93 of 1996), the Fire Brigade Act, 1987 (Act 99 of 1987) and the Occupational Health and Safety Act, 1993 (Act. No. 85 of 1993)



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### 16. OTHER INFORMATION

**Compiled by:** Danie Fourie

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the PRODUCT AS SUCH. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear.

It is the responsibility of persons in receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces formulations(s) containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.

#### REFERENCES

- SCIENTIFIC SUPA-KILL c.c. Flying Insect Repellent Candle MSDS., May 2011.
- ADR 2011, Part 3.
- IMDG Code, 2005 Edition, Vol. 2.
- IATA Dangerous goods regulations, Effective 1 January 2011

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**END OF MSDS.**