



## SAFETY DATA SHEET Acana Flying Insect Stopper

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

#### 1.1. Product identifier

Product name Acana Flying Insect Stopper

Container size 200mL

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

Identified uses Insecticide.

Uses advised against Use only for intended applications.

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

Supplier Acana Ltd.  
Cumberland House,  
35 Park Row,  
Nottingham,  
NG1 6EE,  
UK  
T: +44 (0) 115 988 6077  
F: +44 (0) 115 982 4541  
swa@acana.co.uk

#### 1.4. Emergency telephone number

Emergency telephone +44 (0) 115 988 6077  
(09:00 - 17:00h Monday - Friday)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

#### 2.2. Label elements

Hazard statements NC Not Classified

Precautionary statements P102 Keep out of reach of children.  
P273 Avoid release to the environment.  
P501 Dispose of contents/ container in accordance with local regulations.

#### 2.3. Other hazards

This product contains substances classified as PBT and vPvB.

### SECTION 3: Composition/information on ingredients

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### 3.2. Mixtures

<b>Decamethylcyclotetrasiloxane</b>	<b>50 - 100%</b>
CAS number: 541-02-6	EC number: 208-764-9
	REACH registration number: 01-2119511367-43XXXX
This substance is classified as PBT and vPvB.	

#### Classification

Not Classified

<b>Octamethylcyclotetrasiloxane</b>	<b>0.025 - &lt;0.25%</b>
CAS number: 556-67-2	EC number: 209-136-7
	REACH registration number: 01-2119529238-36-XXXX
This substance is classified as PBT and vPvB.	

#### Classification

Flam. Liq. 3 - H226

Repr. 2 - H361f

Aquatic Chronic 4 - H413

The full text for all hazard statements is displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General information</b>	If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	If throat irritation or coughing persists, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if any discomfort continues.
<b>Ingestion</b>	If throat irritation or coughing persists, proceed as follows. Rinse mouth. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Rinse with water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention if any discomfort continues.
<b>Protection of first aiders</b>	Use protective equipment appropriate for surrounding materials.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Spray/mists may cause respiratory tract irritation.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	May cause discomfort.
<b>Eye contact</b>	May be slightly irritating to eyes.

### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	Treat symptomatically.
<b>Specific treatments</b>	No special treatment required.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** The product is combustible. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

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

**Specific hazards** Containers can burst violently or explode when heated, due to excessive pressure build-up.

**Hazardous combustion products** Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours. Formaldehyde. Oxides of the following substances: Silicon.

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

### SECTION 6: Accidental release measures

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

**Personal precautions** No specific recommendations. For personal protection, see Section 8.

#### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground.

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

**Methods for cleaning up** Reuse or recycle products wherever possible. Absorb spillage to prevent material damage. Flush contaminated area with plenty of water. Dispose of contents/container in accordance with national regulations. Wash thoroughly after dealing with a spillage.

#### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists.

**Advice on general occupational hygiene** Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store away from incompatible materials (see Section 10). Keep container tightly closed and dry.

**Storage class** Unspecified storage.

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### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Decamethylcyclopentasiloxane (CAS: 541-02-6)

<b>DNEL</b>	Workers - Inhalation; Long term, Short term systemic effects: 97.3 mg/m <sup>3</sup>
	Workers - Inhalation; Long term, Short term local effects: 24.2 mg/m <sup>3</sup>
	General population - Inhalation; Long term, Short term systemic effects: 17.3 mg/m <sup>3</sup>
	General population - Inhalation; Long term, Short term local effects: 4.3 mg/m <sup>3</sup>
	General population - Oral; Long term, Short term systemic effects: 5 mg/kg/day
<b>PNEC</b>	Fresh water; 0.0012 mg/l
	marine water; 0.00012 mg/l
	STP; 10 mg/l
	Sediment (Freshwater); 11 mg/kg
	Sediment (Marinewater); 1.1 mg/kg
	Soil; 1.27 mg/kg
	Secondary poisoning; 16 mg/kg

#### Octamethylcyclotetrasiloxane (CAS: 556-67-2)

<b>DNEL</b>	Workers - Inhalation; Long term, Short term systemic effects: 73 mg/m <sup>3</sup>
	Workers - Inhalation; Long term, Short term local effects: 73 mg/m <sup>3</sup>
	General population - Inhalation; Long term, Short term systemic effects: 13 mg/m <sup>3</sup>
	General population - Inhalation; Long term, Short term local effects: 13 mg/m <sup>3</sup>
	General population - Oral; Long term, Short term systemic effects: 3.7 mg/kg/day
<b>PNEC</b>	Fresh water; 0.0015 mg/l
	marine water; 0.00015 mg/l
	STP; 10 mg/l
	Sediment (Freshwater); 3 mg/kg
	Sediment (Marinewater); 0.3 mg/kg
	Soil; 0.54 mg/kg
	Secondary poisoning; 41 mg/kg

### 8.2. Exposure controls

<b>Appropriate engineering controls</b>	No specific ventilation requirements.
<b>Eye/face protection</b>	No specific eye protection required during normal use. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
<b>Hand protection</b>	No specific hand protection recommended. Large Spillages: For users with sensitive skin, it is recommended that suitable protective gloves are worn.
<b>Hygiene measures</b>	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.
<b>Respiratory protection</b>	No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.
<b>Environmental exposure controls</b>	Not regarded as dangerous for the environment.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	Odourless.
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point</b>	Not available.
<b>Initial boiling point and range</b>	211°C
<b>Flash point</b>	77°C Tag closed cup.
<b>Evaporation rate</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	Lower flammable/explosive limit: 0.45% Upper flammable/explosive limit: 13.21%
<b>Vapour pressure</b>	0.015 hPa @ 20°C
<b>Vapour density</b>	Not available.
<b>Relative density</b>	0.95
<b>Solubility(ies)</b>	Not known.
<b>Partition coefficient</b>	Not available.
<b>Auto-ignition temperature</b>	392°C
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	3.8 mm <sup>2</sup> /s @ 20°C
<b>Explosive properties</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

#### 9.2. Other information

<b>Other information</b>	No information required.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	See the other subsections of this section for further details.
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#### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
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#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	No potentially hazardous reactions known.
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#### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid heat, flames and other sources of ignition.
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#### 10.5. Incompatible materials

## Acana Flying Insect Stopper

**Materials to avoid**                      Oxidising agents.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products**      Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects**                      Not regarded as a health hazard under current legislation.

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)**                              Based on available data the classification criteria are not met.

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)**                              Based on available data the classification criteria are not met.

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)**                              Based on available data the classification criteria are not met.

#### Skin corrosion/irritation

**Animal data**                                      Based on available data the classification criteria are not met.

#### Serious eye damage/irritation

**Serious eye damage/irritation**      Based on available data the classification criteria are not met.

#### Respiratory sensitisation

**Respiratory sensitisation**                      Based on available data the classification criteria are not met.

#### Skin sensitisation

**Skin sensitisation**                              Based on available data the classification criteria are not met.

#### Germ cell mutagenicity

**Genotoxicity - in vitro**                              Based on available data the classification criteria are not met.

#### Carcinogenicity

**Carcinogenicity**                                      Based on available data the classification criteria are not met.

#### IARC carcinogenicity

None of the ingredients are listed or exempt.

#### Reproductive toxicity

**Reproductive toxicity - fertility**      Based on available data the classification criteria are not met.

**Reproductive toxicity - development**      Based on available data the classification criteria are not met.

#### Specific target organ toxicity - single exposure

**STOT - single exposure**                      Not classified as a specific target organ toxicant after a single exposure.

#### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure**                      Not classified as a specific target organ toxicant after repeated exposure.

#### Aspiration hazard

**Aspiration hazard**                              Based on available data the classification criteria are not met.

#### General information

No specific health hazards known. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

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<b>Inhalation</b>	Spray/mists may cause respiratory tract irritation.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	May cause discomfort.
<b>Eye contact</b>	May be slightly irritating to eyes.
<b>Route of exposure</b>	Ingestion Inhalation Skin and/or eye contact
<b>Target organs</b>	No specific target organs known.

**Toxicological information on ingredients.**

### Decamethylcyclotetrasiloxane

**Acute toxicity - oral**

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >5000 mg/kg, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

**Acute toxicity - dermal**

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >2000 mg/kg, Dermal, Rabbit REACH dossier information. Based on available data the classification criteria are not met.

**Acute toxicity - inhalation**

**Notes (inhalation LC<sub>50</sub>)** LD<sub>50</sub> 8.67 mg/l, Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.

**Skin corrosion/irritation**

**Animal data** Dose: 0.5 mL, 24 hours, Rabbit Primary dermal irritation index: 0 REACH dossier information. Based on available data the classification criteria are not met.

**Skin sensitisation**

**Skin sensitisation** Local Lymph Node Assay (LLNA) - Mouse: Not sensitising. REACH dossier information. Based on available data the classification criteria are not met.

**Germ cell mutagenicity**

**Genotoxicity - in vitro** Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.

**Genotoxicity - in vivo** DNA damage and/or repair: Negative. REACH dossier information. Based on available data the classification criteria are not met.

**Carcinogenicity**

**Carcinogenicity** NOAEC >160 ppm, Inhalation, Rat REACH dossier information. Based on available data the classification criteria are not met.

**Reproductive toxicity**

**Reproductive toxicity - fertility** Two-generation study - NOAEL >160 ppm, Inhalation, Rat P

### Octamethylcyclotetrasiloxane

**Acute toxicity - oral**

**Notes (oral LD<sub>50</sub>)** > 2000 mg/kg, Rat, REACH dossier information. Based on available data the classification criteria are not met.

**Acute toxicity - dermal**





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### Decamethylcyclopentasiloxane

<b>Persistence and degradability</b>	No biodegradation observed under test conditions.
<b>Phototransformation</b>	Water - DT <sub>50</sub> : 10.4 days
<b>Stability (hydrolysis)</b>	pH4 - Half-life : 9.3 hours @ 25°C pH7 - Half-life : 1590 hours @ 25°C pH9 - Half-life : 24.8-31.6 hours @ 25°C
<b>Biodegradation</b>	Water - Degradation 0.14%: 28 days

### Octamethylcyclotetrasiloxane

<b>Persistence and degradability</b>	The product is not readily biodegradable.
<b>Phototransformation</b>	Water - DT <sub>50</sub> : 15.8 days
<b>Stability (hydrolysis)</b>	pH4 - Half-life : 1.8 hours @ 25°C pH7 - Half-life : 80 hours @ 25°C pH9 - Half-life : 0.9-1 hour @ 25°C
<b>Biodegradation</b>	Water - Degradation 3.7%: 29 days

### 12.3. Bioaccumulative potential

<b>Bioaccumulative potential</b>	May accumulate in soil and water systems.
<b>Partition coefficient</b>	Not available.

### Ecological information on ingredients.

#### Decamethylcyclopentasiloxane

<b>Bioaccumulative potential</b>	BCF: 7060, Pimephales promelas (Fat-head Minnow)
<b>Partition coefficient</b>	log Pow: 8.023

#### Octamethylcyclotetrasiloxane

<b>Bioaccumulative potential</b>	BCF: 12400, Pimephales promelas (Fat-head Minnow)
<b>Partition coefficient</b>	log Pow: 6.488

### 12.4. Mobility in soil

<b>Mobility</b>	No data available.
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### Ecological information on ingredients.

#### Decamethylcyclopentasiloxane

<b>Mobility</b>	The product is insoluble in water.
<b>Adsorption/desorption coefficient</b>	Water - log Koc: 5.17 @ 25.6°C
<b>Henry's law constant</b>	33 atm m <sup>3</sup> /mol @ 24.6°C

#### Octamethylcyclotetrasiloxane

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<b>Mobility</b>	The product is insoluble in water.
<b>Adsorption/desorption coefficient</b>	Water - log Koc: 4.22 @ 25°C
<b>Henry's law constant</b>	12 atm m <sup>3</sup> /mol @ 21.7°C

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product contains substances classified as PBT and vPvB.

### Ecological information on ingredients.

#### Decamethylcyclopentasiloxane

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

#### Octamethylcyclotetrasiloxane

**Results of PBT and vPvB assessment** This substance is classified as PBT. This substance is classified as vPvB.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

**General information** The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## **SECTION 14: Transport information**

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**  
No.

### 14.6. Special precautions for user

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Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

### SECTION 15: Regulatory information

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

<b>National regulations</b>	Health and Safety at Work etc. Act 1974 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits.
<b>EU legislation</b>	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
<b>Restrictions (Annex XVII Regulation 1907/2006)</b>	Entry number: 70

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>Abbreviations and acronyms used in the safety data sheet</b>	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. IATA: International Air Transport Association. ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air. IMDG: International Maritime Dangerous Goods. CAS: Chemical Abstracts Service. ATE: Acute Toxicity Estimate. LC <sub>50</sub> : Lethal Concentration to 50 % of a test population. LD <sub>50</sub> : Lethal Dose to 50% of a test population (Median Lethal Dose). EC <sub>50</sub> : 50% of maximal Effective Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative.
<b>Training advice</b>	Read and follow manufacturer's recommendations.
<b>Revision comments</b>	This is the first issue.
<b>Revision date</b>	11/05/2018
<b>SDS number</b>	7517

## Acana Flying Insect Stopper

**Hazard statements in full**

H226 Flammable liquid and vapour.

H361f Suspected of damaging fertility.

H413 May cause long lasting harmful effects to aquatic life.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.