

**SAFETY DATA SHEET**  
**ACANA SACHET MOTH KILLER & FRESHENER**

According to Regulation (EU) No 453/2010

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

**Product name** ACANA SACHET MOTH KILLER & FRESHENER

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

**Identified uses** Moth repellent.

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

**Supplier** Acana Limited  
 Cumberland House  
 35 Park Row  
 Nottingham  
 NG1 6EE  
 Tel: 0115 9886077

**1.4. Emergency telephone number**

+44 115 988 6077  
 09:00 - 17:00 Monday - Friday

**SECTION 2: HAZARDS IDENTIFICATION**

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

**Classification (1999/45/EEC)** N;R50/53.

**Human health**

The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals in contact with skin.

**Environment**

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**2.2. Label elements**

**Labelling**



Dangerous for the environment

**Risk Phrases**

R50/53

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety Phrases**

S29

Do not empty into drains.

P14

Contains COUMARIN. May produce an allergic reaction.

S2

Keep out of the reach of children.

S35

This material and its container must be disposed of in a safe way.

S20/21

When using do not eat, drink or smoke.

Wash hands after use.

**2.3. Other hazards**

# ACANA SACHET MOTH KILLER & FRESHENER

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

<b>1,3,4,6,7,8-HEXAHYDRO-4,6,6,7,8,8-HEXAMETHYL-INDENO[5,6-C]PYRAN</b>	<b>0.2-0.8%</b>
CAS-No.: 1222-05-5                      EC No.: 214-946-9	
Classification (EC 1272/2008) Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) N;R50/53
<b>2,3,5,6-TETRAFLUOROBENZYL trans-2-(2,2-DICHLOROVINYL)-3,3 ..EC 405-060-5</b>	<b>&lt; 1%</b>
CAS-No.: 118712-89-3                      EC No.: 405-060-5	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Xi;R38 N;R50/53
<b>2-CYCLOHEXYLIDENE-2-PHENYLACETONITRILE</b>	<b>&lt; 1%</b>
CAS-No.: 10461-98-0                      EC No.: 423-740-1	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xn;R22 N;R51/53
<b>4-TERT.BUTYLCYCLOHEXYL ACETATE</b>	<b>0.5-5.0%</b>
CAS-No.: 32210-23-4                      EC No.: 250-954-9	
Classification (EC 1272/2008) Aquatic Chronic 2 - H411	Classification (67/548/EEC) N;R51/53.
<b>ALCOHOLS C9-11 ETHOXYLATED</b>	<b>0.5-5.0%</b>
CAS-No.: 68439-46-3                      EC No.:	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548/EEC) Xn;R22. Xi;R41.
<b>COUMARIN</b>	<b>0.2-0.8%</b>
CAS-No.: 91-64-5                      EC No.: 202-086-7	

## ACANA SACHET MOTH KILLER & FRESHENER

Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Sens. 1 - H317	Classification (67/548/EEC) Xn;R22. R43.
<b>DIETHYL PHTHALATE</b> <span style="float: right;">0.5-5.0%</span>	
CAS-No.: 84-66-2 <span style="margin-left: 150px;">EC No.: 201-550-6</span>	
Classification (EC 1272/2008) Acute Tox. 4 - H332	Classification (67/548/EEC) Xn;R20.
<b>JUNIPEROUS MEXICANA EXTRACT</b> <span style="float: right;">0.5-5.0%</span>	
CAS-No.: 68990-83-0 <span style="margin-left: 150px;">EC No.: 294-461-7</span>	
Classification (EC 1272/2008) Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Xn;R65. N;R50/53.
<b>NAPHTHALENE, 2-ETHOXY</b> <span style="float: right;">&lt; 1%</span>	
CAS-No.: 93-18-5 <span style="margin-left: 150px;">EC No.: 202-226-7</span>	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xi;R38. N;R51/53.
<b>VERDYL ACETATE</b> <span style="float: right;">0.5-5.0%</span>	
CAS-No.: 2500-83-6 <span style="margin-left: 150px;">EC No.: 219-700-4</span>	
Classification (EC 1272/2008) Aquatic Chronic 3 - H412	Classification (67/548/EEC) R52/53.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

##### **Inhalation**

Move the exposed person to fresh air at once.

##### **Ingestion**

Rinse mouth thoroughly. Get medical attention immediately!

##### **Skin contact**

Remove contaminated clothing immediately and wash skin with soap and water.

##### **Eye contact**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

##### **Inhalation.**

No specific symptoms noted.

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## **Ingestion**

May cause discomfort if swallowed.

## **Skin contact**

Prolonged skin contact may cause redness and irritation.

## **Eye contact**

May irritate eyes.

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

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

## **SECTION 5: FIREFIGHTING MEASURES**

### **5.1. Extinguishing media**

#### **Extinguishing media**

Use fire-extinguishing media appropriate for surrounding materials.

#### **Unsuitable extinguishing media**

Not relevant

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

#### **Hazardous combustion products**

None noted.

#### **Unusual Fire & Explosion Hazards**

No unusual fire or explosion hazards noted.

#### **Specific hazards**

None noted.

### **5.3. Advice for firefighters**

#### **Special Fire Fighting Procedures**

No specific fire fighting procedure given.

#### **Protective equipment for fire-fighters**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Wear protective clothing as described in Section 8 of this safety data sheet.

### **6.2. Environmental precautions**

Avoid discharge to the aquatic environment.

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

Collect in containers and seal securely. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

### **6.4. Reference to other sections**

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. For waste disposal, see section 13.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1. Precautions for safe handling**

Read and follow manufacturer's recommendations. Avoid contact with skin and eyes. Avoid inhalation of vapours. Wash hands after contact.

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

Store in tightly closed original container.

### **7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

# ACANA SACHET MOTH KILLER & FRESHENER

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
DIETHYL PHTHALATE	WEL		5 mg/m3		10 mg/m3	

WEL = Workplace Exposure Limit.

### 8.2. Exposure controls

#### Hand protection

For prolonged or repeated skin contact use suitable protective gloves.

#### Eye protection

Not required in normal use of product.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Solid.
Colour	Purple.
Odour	Lavender.

### 9.2. Other information

Not determined.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

#### Hazardous Polymerisation

Not relevant

### 10.4. Conditions to avoid

There are no known conditions that are likely to result in a hazardous situation.

### 10.5. Incompatible materials

#### Materials To Avoid

No incompatible groups noted.

### 10.6. Hazardous decomposition products

None under normal conditions.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Ingestion

May cause discomfort if swallowed.

# ACANA SACHET MOTH KILLER & FRESHENER

## Skin contact

Prolonged and frequent contact may cause redness and irritation.

## Eye contact

May irritate eyes.

### Toxicological information on ingredients.

#### 2,3,5,6-TETRAFLUOROBENZYL trans-2-(2,2-DICHLOROVINYL)-3,3 ..EC 405-060-5 (CAS: 118712-89-3)

##### Acute toxicity:

###### **Acute Toxicity (Oral LD50)**

> 5000 mg/kg Rat

Various suppliers' data.

###### **Acute Toxicity (Dermal LD50)**

> 5000 mg/kg Rat

Various suppliers' data.

###### **Acute Toxicity (Inhalation LC50)**

> 0.513 mg/l (aerosol) Rat 4 hours

Various suppliers' data.

#### 2-CYCLOHEXYLIDENE-2-PHENYLACETONITRILE (CAS: 10461-98-0)

##### Acute toxicity:

###### **Acute Toxicity (Oral LD50)**

619.4 mg/kg Rat

Miscellaneous data sources.

###### **Acute Toxicity (Dermal LD50)**

> 2000 mg/kg Rabbit

Miscellaneous data sources.

###### **Acute Toxicity (Inhalation LC50)**

> 5 mg/l (vapours) Rat 4 hours

Miscellaneous data sources.

#### 1,3,4,6,7,8-HEXAHYDRO-4,6,6,7,8,8-HEXAMETHYL-INDENO[5,6-C]PYRAN (CAS: 1222-05-5)

##### Acute toxicity:

###### **Acute Toxicity (Oral LD50)**

> 4640 mg/kg Rat

REACH dossier information

###### **Acute Toxicity (Dermal LD50)**

> 10000 mg/kg Rat

REACH dossier information

#### 4-TERT.BUTYLCYCLOHEXYL ACETATE (CAS: 32210-23-4)

##### Acute toxicity:

###### **Acute Toxicity (Oral LD50)**

5000 mg/kg Rat

IUCLID data sheet.

#### COUMARIN (CAS: 91-64-5)

##### Acute toxicity:

###### **Acute Toxicity (Oral LD50)**

293 mg/kg Rat

Miscellaneous data sources.

**ACANA SACHET MOTH KILLER & FRESHENER**  
**NAPHTHALENE, 2-ETHOXY (CAS: 93-18-5)**

**Acute toxicity:**

**Acute Toxicity (Oral LD50)**

3110 mg/kg Rat

Miscellaneous data sources.

**ALCOHOLS C9-11 ETHOXYLATED (CAS: 68439-46-3)**

**Acute toxicity:**

**Acute Toxicity (Oral LD50)**

1378 mg/kg Rat

Miscellaneous data sources.

**Acute Toxicity (Dermal LD50)**

> 2000 mg/kg Rabbit

Miscellaneous data sources.

**DIETHYL PHTHALATE (CAS: 84-66-2)**

**Acute toxicity:**

**Acute Toxicity (Oral LD50)**

> 5 mL/kg Rat

REACH dossier information

**Acute Toxicity (Dermal LD50)**

> 10 mL/kg Rat

REACH dossier information

**VERDYL ACETATE (CAS: 2500-83-6)**

**Acute toxicity:**

**Acute Toxicity (Oral LD50)**

> 5000 mg/kg Rat

Miscellaneous data sources.

**Acute Toxicity (Dermal LD50)**

> 5000 mg/kg

Miscellaneous data sources.

**JUNIPEROUS MEXICANA EXTRACT (CAS: 68990-83-0)**

**Acute toxicity:**

**Acute Toxicity (Oral LD50)**

> 5000 mg/kg Rat

Miscellaneous data sources.

**Acute Toxicity (Dermal LD50)**

> 5000 mg/kg Rabbit

Miscellaneous data sources.

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 12.1. Toxicity

## ACANA SACHET MOTH KILLER & FRESHENER

### Ecological information on ingredients.

#### 2,3,5,6-TETRAFLUOROBENZYL trans-2-(2,2-DICHLOROVINYL)-3,3 ..EC 405-060-5 (CAS: 118712-89-3)

##### **Acute Toxicity - Fish**

LC50 96 hours 0.0007 mg/l Onchorhynchus mykiss (Rainbow trout)

Various suppliers' data.

##### **Acute Toxicity - Aquatic Invertebrates**

EC50 48 hours 0.0017 mg/l Daphnia magna

Various suppliers' data.

##### **Acute Toxicity - Aquatic Plants**

IC50 72 hours > 0.1 mg/l Desmodemus subspicatus

Various suppliers' data.

#### 2-CYCLOHEXYLIDENE-2-PHENYLACETONITRILE (CAS: 10461-98-0)

##### **Acute Toxicity - Fish**

LC50 96 hours 1.4 mg/l Onchorhynchus mykiss (Rainbow trout)

Miscellaneous data sources.

##### **Acute Toxicity - Aquatic Invertebrates**

EC50 48 hours 2.3 mg/l Daphnia magna

Miscellaneous data sources.

#### 1,3,4,6,7,8-HEXAHYDRO-4,6,6,7,8,8-HEXAMETHYL-INDENO[5,6-C]PYRAN (CAS: 1222-05-5)

##### **Acute Toxicity - Fish**

LC50 96 hours 1.36 mg/l Lepomis macrochirus (Bluegill)

REACH dossier information

##### **Acute Toxicity - Aquatic Invertebrates**

EC50 48 hours 0.47 mg/l Acartia tonsa

REACH dossier information

##### **Acute Toxicity - Aquatic Plants**

EC50 72 hours 0.723 mg/l Pseudokirchnerella subcapitata

REACH dossier information

#### 4-TERT.BUTYLCYCLOHEXYL ACETATE (CAS: 32210-23-4)

##### **Acute Toxicity - Fish**

LC50 48 hours 15.5 Leuciscus idus (Golden orfe)

IUCLID data sheet.

##### **Acute Toxicity - Aquatic Invertebrates**

EC50 24 hours 9.6 mg/l Daphnia magna

IUCLID data sheet.

#### COUMARIN (CAS: 91-64-5)

##### **Acute Toxicity - Fish**

LC50 96 hours 12 mg/l Species not noted

Miscellaneous data sources.

#### NAPHTHALENE, 2-ETHOXY (CAS: 93-18-5)

No information available.

#### ALCOHOLS C9-11 ETHOXYLATED (CAS: 68439-46-3)

##### **Acute Toxicity - Fish**

LC50 96 hours 7 mg/l Pimephales promelas (Fat-head Minnow)

Miscellaneous data sources.

##### **Acute Toxicity - Aquatic Invertebrates**

LC50 48 hours 5.7 mg/l Daphnia magna

Miscellaneous data sources.

#### DIETHYL PHTHALATE (CAS: 84-66-2)

##### **Acute Toxicity - Fish**

LC50 96 hours 12 Onchorhynchus mykiss (Rainbow trout)

REACH dossier information

##### **Acute Toxicity - Aquatic Invertebrates**

LC50 48 hours 90 mg/l Daphnia magna

REACH dossier information

NOEC 48 hours 43 mg/l Daphnia magna

REACH dossier information

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## Acute Toxicity - Aquatic Plants

EC50 72 hours 45 mg/l *Desmodium subspicatus*

REACH dossier information

## VERDYL ACETATE (CAS: 2500-83-6)

No information available.

## JUNIPEROUS MEXICANA EXTRACT (CAS: 68990-83-0)

No information available.

## **12.2. Persistence and degradability**

### **Degradability**

There are no data on the degradability of this product.

## **12.3. Bioaccumulative potential**

### **Bioaccumulative potential**

No data available on bioaccumulation.

## **12.4. Mobility in soil**

### **Mobility:**

The product has poor water-solubility.

## **12.5. Results of PBT and vPvB assessment**

Not determined.

## **12.6. Other adverse effects**

Not determined.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

### **13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical.

## **SECTION 14: TRANSPORT INFORMATION**

**General** The information shown in this section is for the product as described. For limited quantity packaging / limited load information please consult the relevant modal documentation using this data.

### **14.1. UN number**

UN No. (ADR/RID/ADN) 3077

UN No. (IMDG) 3077

UN No. (ICAO) 3077

### **14.2. UN proper shipping name**

**Proper Shipping Name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(4-TERT.BUTYLCYCLOHEXYL ACETATE, JUNIPEROUS MEXICANA EXTRACT)

### **14.3. Transport hazard class(es)**

ADR/RID/ADN Class 9

ADR/RID/ADN Class Class 9: Miscellaneous dangerous substances and articles.

ADR Label No. 9

IMDG Class 9

ICAO Class/Division 9

**Transport Labels**

# ACANA SACHET MOTH KILLER & FRESHENER



## 14.4. Packing group

ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III

## 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant



## 14.6. Special precautions for user

EMS	F-A, S-F
Emergency Action Code	2Z
Hazard No. (ADR)	90
Tunnel Restriction Code	(E)

## 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

## SECTION 15: REGULATORY INFORMATION

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

#### Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

#### Guidance Notes

Workplace Exposure Limits EH40.

#### EU Legislation

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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

## SECTION 16: OTHER INFORMATION

#### Revision Comments

This is first issue.

Revision Date 03-2012

## ACANA SACHET MOTH KILLER & FRESHENER

### Risk Phrases In Full

R20	Harmful by inhalation.
R22	Harmful if swallowed.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
R41	Risk of serious damage to eyes.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.