

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
P14
S2
S35
S20/21

Do not empty into drains.
Contains COUMARIN. May produce an allergic reaction.
Keep out of the reach of children.
This material and its container must be disposed of in a safe way.
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

1,3,4,6,7,8-HEXAHYDRO-4,6,6,7,8,8-HEXAMETHYL-INDENO[5,6-C]PYRAN		0.2-0.8%
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	
2,3,5,6-TETRAFLUOROBENZYL trans-2-(2,2-DICHLOROVINYL)-3,3 ..EC 405-060-5		< 1%
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	
2-CYCLOHEXYLIDENE-2-PHENYLACETONITRILE		< 1%
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	
4-TERT.BUTYLCYCLOHEXYL ACETATE		0.5-5.0%
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.	
ALCOHOLS C9-11 ETHOXYLATED		0.5-5.0%
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.	
COUMARIN		0.2-0.8%
CAS-No.: 91-64-5	EC No.: 202-086-7	

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Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Sens. 1 - H317		Classification (67/548/EEC) Xn;R22. R43.	
DIETHYL PHTHALATE		0.5-5.0%	
CAS-No.: 84-66-2		EC No.: 201-550-6	
Classification (EC 1272/2008) Acute Tox. 4 - H332		Classification (67/548/EEC) Xn;R20.	
JUNIPEROUS MEXICANA EXTRACT		0.5-5.0%	
CAS-No.: 68990-83-0		EC No.: 294-461-7	
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.	
NAPHTHALENE, 2-ETHOXY		< 1%	
CAS-No.: 93-18-5		EC No.: 202-226-7	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Aquatic Chronic 2 - H411		Classification (67/548/EEC) Xi;R38. N;R51/53.	
VERDYL ACETATE		0.5-5.0%	
CAS-No.: 2500-83-6		EC No.: 219-700-4	
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.

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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.

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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

ACANA SACHET MOTH KILLER & FRESHENER

Acute Toxicity - Aquatic Plants

EC50 72 hours 45 mg/l *Desmodesmus 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.