

## SAFETY DATA SHEET

### Acana Hanging Moisture Absorber & Freshener - Sachets

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

##### 1.1. Product identifier

**Product name** Acana Hanging Moisture Absorber & Freshener - Sachets

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

**Identified uses** Moisture absorber.

**Uses advised against** No specific uses advised against are identified.

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

**Supplier** Acana Ltd.  
Stanford House, 19 Castle  
Gate, Nottingham,  
NG1 7AQ,  
UK  
T: +44 (0) 1158 249 707  
F: +44 (0) 1158 249 717  
info@acana.co.uk

##### 1.4. Emergency telephone number

**Emergency telephone** +44 (0) 1158 249 707  
(08:00 - 16:00h Monday - Friday)

#### SECTION 2: Hazards identification

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

###### Classification

**Physical hazards** Not Classified

**Health hazards** Eye Irrit. 2 - H319 Elicitation - EUH208

**Environmental hazards** Not Classified

**Classification (67/548/EEC or 1999/45/EC)** Xi; R36

##### 2.2. Label elements

###### Pictogram



**Signal word** Warning

**Hazard statements** H319 Causes serious eye irritation.  
EUH208 Contains Reaction mass of: 5-Chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-Methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

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**Precautionary statements** P102 Keep out of reach of children.  
 P264 Wash contaminated skin thoroughly after handling.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+P313 If eye irritation persists: Get medical advice/attention.

**Supplementary precautionary statements** P280 Wear protective gloves/protective clothing/eye protection/face protection.

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

|  |  |                        |
|--|--|------------------------|
| <b>Calcium chloride</b>                            |  | <b>50 - 100%</b>       |
| CAS number: 10035-04-8                             |  |                        |
| <b>Classification</b>                              | <b>Classification (67/548/EEC or 1999/45/EC)</b> |                        |
| Eye Irrit. 2 - H319                                | Xi; R36  |                        |
| <b>Starch</b>                                      |  | <b>10 - &lt;25%</b>    |
| CAS number: 9005-25-8                              | EC number: 232-679-6                             |                        |
| <b>Classification</b>                              | <b>Classification (67/548/EEC or 1999/45/EC)</b> |                        |
| Not Classified                                     | ---  |                        |
| <b>Sodium Aluminosilicate</b>                      |  | <b>2.5 - &lt;5%</b>    |
| CAS number: 68989-22-0                             |  |                        |
| <b>Classification</b>                              | <b>Classification (67/548/EEC or 1999/45/EC)</b> |                        |
| STOT SE 3 - H335                                   | Xi; R37  |                        |
| <b>Dipropylene Glycol Monomethyl Ether</b>         |  | <b>0.25 - &lt;0.5%</b> |
| CAS number: 34590-94-8                             | EC number: 252-104-2                             |                        |
| Substance with National workplace exposure limits. |  |                        |
| <b>Classification</b>                              | <b>Classification (67/548/EEC or 1999/45/EC)</b> |                        |
| Not Classified                                     | ---  |                        |

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|  |  |
|--|--|
| <b>Reaction mass of: 5-Chloro-2-methyl-4-isothiazolin-3-one</b> <span style="float: right;"><b>&lt;0.025%</b></span><br><b>[EC no. 247-500-7] and 2-Methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)</b><br>CAS number: 55965-84-9<br>M factor (Acute) = 10 <span style="margin-left: 150px;">M factor (Chronic) = 10</span> |  |
| <b>Classification</b><br>Acute Tox. 3 - H301<br>Acute Tox. 3 - H311<br>Acute Tox. 3 - H331<br>Skin Corr. 1B - H314<br>Eye Dam. 1 - H318<br>Skin Sens. 1 - H317<br>Aquatic Acute 1 - H400<br>Aquatic Chronic 1 - H410   | <b>Classification (67/548/EEC or 1999/45/EC)</b><br>T; R23/24/25. C; R34. N; R50/53. R43 |

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

|                                   |   |
|-----------------------------------|---|
| <b>General information</b>        | Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.  |
| <b>Inhalation</b>                 | 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. |
| <b>Ingestion</b>                  | Get medical advice/attention if you feel unwell.  |
| <b>Skin contact</b>               | Brush off loose particles from skin. Rinse with water.  |
| <b>Eye contact</b>                | Remove any contact lenses and open eyelids wide apart. Rinse cautiously with water for several minutes. Do not rub eye.                                 |
| <b>Protection of first aiders</b> | First aid personnel should wear appropriate protective equipment during any rescue.   |

#### 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>          | Dust may irritate the respiratory system.   |
| <b>Ingestion</b>           | May cause discomfort if swallowed. May cause stomach pain or vomiting.                                      |
| <b>Skin contact</b>        | May cause skin sensitisation or allergic reactions in sensitive individuals.                                |
| <b>Eye contact</b>         | Irritating to eyes.   |

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

|                             |                        |
|-----------------------------|------------------------|
| <b>Notes for the doctor</b> | Treat symptomatically. |
|-----------------------------|------------------------|

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                     |  |
|-------------------------------------|--|
| <b>Suitable extinguishing media</b> | Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire. |
|-------------------------------------|--|

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**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** None known.

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

### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Evacuate area. Control run-off water by containing and keeping it out of sewers and watercourses.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

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

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with eyes and prolonged skin contact. Avoid inhalation of dust.

### 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** Wear protective clothing as described in Section 8 of this safety data sheet. Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. For waste disposal, see Section 13. Wash thoroughly after dealing with a spillage.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. 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. Keep out of the reach of children. Wear protective clothing as described in Section 8 of this safety data sheet. Keep container tightly sealed when not in use. Avoid handling which leads to dust formation.

**Advice on general occupational hygiene** Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

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

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Do not store near heat sources or expose to high temperatures.

### 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

#### Occupational exposure limits

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### Starch

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> respirable dust

### Dipropylene Glycol Monomethyl Ether

Long-term exposure limit (8-hour TWA): WEL 50 ppm 308 mg/m<sup>3</sup>

Sk

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

### 8.2. Exposure controls

|   |   |
|---|---|
| <b>Appropriate engineering controls</b> | Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.  |
| <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: Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. |
| <b>Other skin and body protection</b>   | Wear appropriate clothing to prevent repeated or prolonged skin contact.  |
| <b>Hygiene measures</b>                 | Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.   |
| <b>Respiratory protection</b>           | If ventilation is inadequate, suitable respiratory protection must be worn. Wear a suitable dust mask.  |
| <b>Environmental exposure controls</b>  | Keep container tightly sealed when not in use.  |

## SECTION 9: Physical and Chemical Properties

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

|   |  |
|---|--|
| <b>Appearance</b>                                   | ***TRANSLATION NEEDED***<br>Sachet containing: Powder. |
| <b>Colour</b>                                       | Various colours.                                       |
| <b>Odour</b>  | Lavender.  |
| <b>Odour threshold</b>                              | Not determined.  |
| <b>pH</b>   | Not determined.  |
| <b>Melting point</b>                                | Not determined.  |
| <b>Initial boiling point and range</b>              | Not relevant.  |
| <b>Flash point</b>                                  | Not relevant.  |
| <b>Evaporation rate</b>                             | Not relevant.  |
| <b>Flammability (solid, gas)</b>                    | Not determined.  |
| <b>Upper/lower flammability or explosive limits</b> | Not determined.  |
| <b>Vapour pressure</b>                              | Not relevant.  |

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|                                  |   |
|----------------------------------|---|
| <b>Vapour density</b>            | Not relevant.   |
| <b>Relative density</b>          | Not determined.   |
| <b>Solubility(ies)</b>           | The product is partly soluble in water and may spread in the aquatic environment. |
| <b>Partition coefficient</b>     | Not determined.   |
| <b>Auto-ignition temperature</b> | Not determined.   |
| <b>Decomposition Temperature</b> | Not determined.   |
| <b>Viscosity</b>                 | Not relevant.   |
| <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. |
|--------------------------|--------------------------|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

|                   |  |
|-------------------|--|
| <b>Reactivity</b> | See the other subsections of this section for further details. |
|-------------------|--|

### 10.2. Chemical stability

|                  |   |
|------------------|---|
| <b>Stability</b> | Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions. |
|------------------|---|

### 10.3. Possibility of hazardous reactions

|   |   |
|---|---|
| <b>Possibility of hazardous reactions</b> | No potentially hazardous reactions known. |
|---|---|

### 10.4. Conditions to avoid

|                            |  |
|----------------------------|--|
| <b>Conditions to avoid</b> | Damp conditions/ moisture will reduce the activity of the product. |
|----------------------------|--|

### 10.5. Incompatible materials

|                           |  |
|---------------------------|--|
| <b>Materials to avoid</b> | Strong oxidising agents. Strong reducing agents. |
|---------------------------|--|

### 10.6. Hazardous decomposition products

|   |  |
|---|--|
| <b>Hazardous decomposition products</b> | 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

#### Acute toxicity - oral

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

#### Acute toxicity - dermal

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

#### Acute toxicity - inhalation

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

#### Skin corrosion/irritation

|                    |  |
|--------------------|--|
| <b>Animal data</b> | Based on available data the classification criteria are not met. |
|--------------------|--|

#### Serious eye damage/irritation

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**Serious eye damage/irritation** Causes serious eye irritation.

### Respiratory sensitisation

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

### Skin sensitisation

**Skin sensitisation** May cause sensitisation or allergic reactions in sensitive individuals.

### 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.

### 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** Not relevant. Solid.

### General information

Dust may irritate the eyes and the respiratory system.

#### **Inhalation**

Dust may irritate the respiratory system.

#### **Ingestion**

May cause discomfort if swallowed.

#### **Skin contact**

May cause skin sensitisation or allergic reactions in sensitive individuals.

#### **Eye contact**

Irritating to eyes.

#### **Route of entry**

Ingestion Inhalation Skin and/or eye contact

#### **Target organs**

No specific target organs known.

#### **Medical considerations**

Skin disorders and allergies.

### Toxicological information on ingredients.

Reaction mass of: 5-Chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-Methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Toxic if swallowed.

**ATE oral (mg/kg)** 100.0

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Toxic in contact with skin.

**ATE dermal (mg/kg)** 300.0

#### Acute toxicity - inhalation

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|   |                                 |
|---|---------------------------------|
| <b>Notes (inhalation LC<sub>50</sub>)</b>   | Toxic if inhaled.               |
| <b>ATE inhalation (vapours mg/l)</b>        | 3.0                             |
| <b><u>Skin corrosion/irritation</u></b>     |                                 |
| <b>Animal data</b>                          | Corrosive to skin.              |
| <b><u>Serious eye damage/irritation</u></b> |                                 |
| <b>Serious eye damage/irritation</b>        | Corrosivity to eyes is assumed. |
| <b><u>Skin sensitisation</u></b>            |                                 |
| <b>Skin sensitisation</b>                   | Sensitising.                    |

### SECTION 12: Ecological Information

**Ecotoxicity** Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

#### 12.1. Toxicity

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

#### Ecological information on ingredients.

**Reaction mass of: 5-Chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-Methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)**

**Toxicity** Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Very toxic to aquatic life with long lasting effects.

#### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.01 < L(E)C50 ≤ 0.1

**M factor (Acute)** 10

#### Chronic aquatic toxicity

**M factor (Chronic)** 10

#### 12.2. Persistence and degradability

**Persistence and degradability** The degradability of the product is not known.

#### Ecological information on ingredients.

**Reaction mass of: 5-Chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-Methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)**

**Persistence and degradability** The degradability of the product is not known.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not determined.

#### Ecological information on ingredients.



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Reaction mass of: 5-Chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-Methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)

**Bioaccumulative potential** No data available on bioaccumulation.

### 12.4. Mobility in soil

**Mobility** The product is partly soluble in water and may spread in the aquatic environment.

### Ecological information on ingredients.

Reaction mass of: 5-Chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-Methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)

**Mobility** No information available.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### Ecological information on ingredients.

Reaction mass of: 5-Chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-Methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)

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

### 12.6. Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Reuse or recycle products wherever possible.

**Disposal methods** Dispose of waste via a licensed waste disposal contractor.

## 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

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### Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78  
and the IBC Code

## 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).<br>The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).<br>The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].<br>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).<br>Commission Regulation (EU) No 453/2010 of 20 May 2010.<br>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).<br>Dangerous Preparations Directive 1999/45/EC.<br>Dangerous Substances Directive 67/548/EEC. |

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

|                             |   |
|-----------------------------|---|
| <b>Revision comments</b>    | Classification according to EC 1272/2008 (CLP).   |
| <b>Revision date</b>        | 03/03/2015  |
| <b>Revision</b>             | 1   |
| <b>Supersedes date</b>      | 01/09/2013  |
| <b>SDS number</b>           | 2390  |
| <b>Risk phrases in full</b> | R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.<br>R34 Causes burns.<br>R36 Irritating to eyes.<br>R37 Irritating to respiratory system.<br>R43 May cause sensitisation by skin contact.<br>R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

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### Hazard statements in full

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

EUH208 Contains Reaction mass of: 5-Chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-Methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.