



## Safety Data Sheet according to Regulation (EC) No 1907/2006

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Unibond Aero 360° Lavender Garden

SDS No. : 676728  
V001.0

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Replaces version from: -

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

#### 1.1. Product identifier

Unibond Aero 360° Lavender Garden

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

Intended use:  
Air dryer

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

Henkel Ltd  
Wood Lane End  
HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 (1442) 278000  
Fax-no.: +44 (1442) 278071

ua-productsafety.uk@henkel.com

#### 1.4. Emergency telephone number

24 Hours Emergency Tel: +44 0 8701 906777 - For further general health & safety, technical and practical advice on this product, please call +44 (0) 1606 593933 or write to: Technical Services; Henkel Limited; Road 5; Winsford Industrial Estate; Winsford; Cheshire; CW7 3QY- Email: technical.services@henkel.co.uk

### SECTION 2: Hazards identification

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

##### Classification (CLP):

Serious eye irritation  
H319 Causes serious eye irritation.

Category 2

#### 2.2. Label elements

##### Label elements (CLP):

##### Hazard pictogram:



##### Signal word:

Warning

##### Hazard statement:

H319 Causes serious eye irritation.

**Precautionary statement:** P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P280 Wear eye protection/face protection.  
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.

### 2.3. Other hazards

None if used properly.

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### General chemical description:

Dehumidifying agent

#### Base substances of preparation:

Calcium chloride

#### Declaration of the ingredients according to CLP (EC) No 1272/2008:

| Hazardous components<br>CAS-No. | EC Number<br>REACH-Reg No.    | content     | Classification       |
|---------------------------------|-------------------------------|-------------|----------------------|
| calcium chloride<br>10043-52-4  | 233-140-8<br>01-2119494219-28 | 60- < 100 % | Eye Irrit. 2<br>H319 |

For full text of the H - statements and other abbreviations see section 16 "Other information".

Substances without classification may have community workplace exposure limits available.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information:

In case of adverse health effects seek medical advice.

#### Inhalation:

Move to fresh air, consult doctor if complaint persists.

#### Skin contact:

Rinse with running water and soap. Skin care. Remove contaminated clothes immediately.

#### Eye contact:

Immediately flush eyes with soft jet of water or eye rinse solution for at least 5 minutes. If pains remain (intensive smarting, sensitivity to light, visual disturbance) continue flushing and contact/seek doctor or hospital.

#### Ingestion:

Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

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

Causes serious eye irritation.

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

See section: Description of first aid measures

## SECTION 5: Firefighting measures

**5.1. Extinguishing media****Suitable extinguishing media:**

carbon dioxide, foam, powder, water spray jet, fine water spray

**Extinguishing media which must not be used for safety reasons:**

High pressure waterjet

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

In the event of fire, chlorine gas may be formed.

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus.

Wear protective equipment.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective equipment.

Avoid contact with skin and eyes.

**6.2. Environmental precautions**

Not needed.

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

Remove mechanically.

Dispose of contaminated material as waste according to Section 13.

**6.4. Reference to other sections**

See advice in section 8

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Open and handle container with care.

Avoid skin and eye contact.

Hygiene measures:

Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

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

Store in a cool, dry place.

Avoid strictly temperatures below 0 °C and above + 50 °C.

Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

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

Air dryer

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational Exposure Limits

Valid for  
Great Britain

None

#### Occupational Exposure Limits

Valid for  
Ireland

None

#### Derived No-Effect Level (DNEL):

| Name on list                   | Application Area   | Route of Exposure | Health Effect                             | Exposure Time | Value                 | Remarks |
|--------------------------------|--------------------|-------------------|---|---------------|-----------------------|---------|
| Calcium chloride<br>10043-52-4 | Workers            | inhalation        | Acute/short term exposure - local effects |               | 10 mg/m <sup>3</sup>  |         |
| Calcium chloride<br>10043-52-4 | Workers            | inhalation        | Long term exposure - local effects        |               | 5 mg/m <sup>3</sup>   |         |
| Calcium chloride<br>10043-52-4 | General population | inhalation        | Long term exposure - local effects        |               | 2,5 mg/m <sup>3</sup> |         |
| Calcium chloride<br>10043-52-4 | General population | inhalation        | Acute/short term exposure - local effects |               | 5 mg/m <sup>3</sup>   |         |

#### Biological Exposure Indices:

None

### 8.2. Exposure controls:

Respiratory protection:  
Not needed.

Hand protection:

In the case of longer contact protective gloves made from nitrile rubber are recommended according to EN 374.

material thickness > 0.1 mm

Perforation time > 480 minutes

In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, product compatibility, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. The information provided by the manufacturers and given in the relevant trade association regulations for industrial safety must always be observed. We recommend that a hand care plan is drawn up in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection:

Goggles which can be tightly sealed.

Protective eye equipment should conform to EN166.

Skin protection:

Suitable protective clothing

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

## SECTION 9: Physical and chemical properties

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

|   |                                    |
|---|------------------------------------|
| Appearance  | tablet<br>solid<br>blue, white     |
| Odor  | lavender                           |
| Odour threshold   | No data available / Not applicable |
| pH  | No data available / Not applicable |
| Melting point   | No data available / Not applicable |
| Solidification temperature                                    | No data available / Not applicable |
| Initial boiling point   | No data available / Not applicable |
| Flash point   | No data available / Not applicable |
| Evaporation rate  | No data available / Not applicable |
| Flammability  | No data available / Not applicable |
| Explosive limits  | No data available / Not applicable |
| Vapour pressure   | No data available / Not applicable |
| Relative vapour density:                                      | No data available / Not applicable |
| Density   | No data available / Not applicable |
| Bulk density  | No data available / Not applicable |
| Solubility  | No data available / Not applicable |
| Solubility (qualitative)<br>(23 °C (73.4 °F); Solvent: Water) | Soluble                            |
| Partition coefficient: n-octanol/water                        | No data available / Not applicable |
| Auto-ignition temperature                                     | No data available / Not applicable |
| Decomposition temperature                                     | No data available / Not applicable |
| Viscosity   | No data available / Not applicable |
| Viscosity (kinematic)   | No data available / Not applicable |
| Explosive properties  | No data available / Not applicable |
| Oxidising properties  | No data available / Not applicable |

### 9.2. Other information

No data available / Not applicable

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

At temperatures more than 770 °C, causes decomposition and chlorine evolution.

### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

See section reactivity

### 10.4. Conditions to avoid

None if used for intended purpose.

### 10.5. Incompatible materials

See section reactivity.

### 10.6. Hazardous decomposition products

None known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute oral toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value       | Species | Method                                   |
|---------------------------------|---------------|-------------|---------|--|
| calcium chloride<br>10043-52-4  | LD50          | 2.301 mg/kg | rat     | OECD Guideline 401 (Acute Oral Toxicity) |

#### Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value         | Species | Method        |
|---------------------------------|---------------|---------------|---------|---------------|
| calcium chloride<br>10043-52-4  | LD50          | > 5.000 mg/kg | rabbit  | not specified |

#### Acute inhalative toxicity:

No data available.

#### Skin corrosion/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Result         | Exposure<br>time | Species | Method   |
|---------------------------------|----------------|------------------|---------|--|
| calcium chloride<br>10043-52-4  | not irritating |                  | rabbit  | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |

#### Serious eye damage/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Result                   | Exposure<br>time | Species | Method  |
|---------------------------------|--------------------------|------------------|---------|---|
| calcium chloride<br>10043-52-4  | moderately<br>irritating |                  | rabbit  | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |

#### Respiratory or skin sensitization:

No data available.

#### Germ cell mutagenicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Result   | Type of study /<br>Route of<br>administration          | Metabolic<br>activation /<br>Exposure time | Species | Method   |
|---------------------------------|----------|--|--|---------|--|
| calcium chloride<br>10043-52-4  | negative | bacterial reverse<br>mutation assay (e.g<br>Ames test) | with and without                           |         | OECD Guideline 471<br>(Bacterial Reverse Mutation<br>Assay)              |
| calcium chloride<br>10043-52-4  | negative | in vitro mammalian<br>chromosome<br>aberration test    | with and without                           |         | OECD Guideline 473 (In vitro<br>Mammalian Chromosome<br>Aberration Test) |

#### Carcinogenicity

No data available.

**Reproductive toxicity:**

No data available.

**STOT-single exposure:**

No data available.

**STOT-repeated exposure::**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Result / Value      | Route of<br>application | Exposure time /<br>Frequency of<br>treatment | Species | Method        |
|---------------------------------|---------------------|-------------------------|--|---------|---------------|
| calcium chloride<br>10043-52-4  | NOAEL > 1.000 mg/kg | oral: feed              | 12 w<br>daily                                | rat     | not specified |

**Aspiration hazard:**

No data available.

**SECTION 12: Ecological information****12.1. Toxicity****Toxicity (Fish):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value         | Exposure time | Species          | Method  |
|---------------------------------|---------------|---------------|---------------|------------------|---|
| calcium chloride<br>10043-52-4  | LC50          | > 10.000 mg/l | 96 h          | Gambusia affinis | OECD Guideline 203 (Fish,<br>Acute Toxicity Test) |

**Toxicity (Daphnia):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value      | Exposure time | Species       | Method   |
|---------------------------------|---------------|------------|---------------|---------------|--|
| calcium chloride<br>10043-52-4  | EC50          | 3.005 mg/l | 48 h          | Daphnia magna | OECD Guideline 202<br>(Daphnia sp. Acute<br>Immobilisation Test) |

**Chronic toxicity to aquatic invertebrates**

No data available.

**Toxicity (Algae):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value      | Exposure time | Species             | Method   |
|---------------------------------|---------------|------------|---------------|---------------------|--|
| calcium chloride<br>10043-52-4  | EC50          | 3.130 mg/l | 96 h          | Nitscheria linearis | OECD Guideline 201 (Alga,<br>Growth Inhibition Test) |

#### Toxicity to microorganisms

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances<br>CAS-No. | Value<br>type | Value        | Exposure time | Species | Method   |
|---------------------------------|---------------|--------------|---------------|---------|--|
| calcium chloride<br>10043-52-4  | EC0           | > 2.500 mg/l |               |         | OECD Guideline 209<br>(Activated Sludge,<br>Respiration Inhibition Test) |

#### 12.2. Persistence and degradability

No data available.

#### 12.3. Bioaccumulative potential

No data available.

#### 12.4. Mobility in soil

No data available.

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

| Hazardous substances<br>CAS-No. | PBT / vPvB  |
|---------------------------------|---|
| calcium chloride<br>10043-52-4  | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |

#### 12.6. Other adverse effects

No data available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product disposal:

Dispose of waste and residues in accordance with local authority requirements.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

Waste code

060314



**SECTION 14: Transport information**

- 14.1. UN number**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.2. UN proper shipping name**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.3. Transport hazard class(es)**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.4. Packing group**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.5. Environmental hazards**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.6. Special precautions for user**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**  
not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

VOC content 0,0 %  
(VOCV 814.018 VOC regulation  
CH)

**15.2. Chemical safety assessment**

A chemical safety assessment has been carried out.

**SECTION 16: Other information**

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H319 Causes serious eye irritation.

**Further information:**

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**Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.**

**Annex - Exposure Scenarios:**

Exposure Scenarios for calcium chloride can be downloaded under the following link:

[http://mymsds.henkel.com/mymsds/.563455..en.ANNEX\\_DE.26270212.0.DE.pdf](http://mymsds.henkel.com/mymsds/.563455..en.ANNEX_DE.26270212.0.DE.pdf)

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