



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

Page 1 of 11

UNIBOND MINI HA LAVANDER

SDS No. : 602769  
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 MINI HA LAVANDER

#### 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):

Corrosive to metals	Category 1
H290 May be corrosive to metals.	
Serious eye irritation	Category 2
H319 Causes serious eye irritation.	

#### 2.2. Label elements

##### Label elements (CLP):

##### Hazard pictogram:



##### Signal word:

Warning

<b>Hazard statement:</b>	H290 May be corrosive to metals. H319 Causes serious eye irritation.
<b>Supplemental information</b>	Contains Butylcyclohexylacetat, para-tert.-; Dipentene. May produce an allergic reaction.
<b>Precautionary statement:</b>	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 CAS-No.	EC Number REACH-Reg No.	content	Classification
Calcium chloride 10043-52-4	233-140-8 01-2119494219-28	60- 80 %	Met. Corr. 1 H290 Eye Irrit. 2 H319
Benzyl benzoate 120-51-4	204-402-9	0,1- < 1 %	Aquatic Acute 1 H400 Aquatic Chronic 2 H411 Acute Tox. 4 H302
Dipentene 138-86-3	205-341-0	0,1- < 0,25 %	Flam. Liq. 3 H226 Skin Irrit. 2 H315 Skin Sens. 1 H317 Asp. Tox. 1 H304 Aquatic Acute 1 H400 Aquatic Chronic 1 H410
Pentyl salicylate 2050-08-0	218-080-2	0,1- < 0,25 %	Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Acute Tox. 4; Oral H302
Butylcyclohexylacetat, para-tert.- 32210-23-4	250-954-9	0,1- < 1 %	Aquatic Chronic 2 H411 Skin Sens. 1 H317

**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**

Ensure adequate ventilation.

Avoid contact with skin and eyes.

Wear protective equipment.

##### **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.  
Avoid dust formation.

## Hygiene measures:

Do not eat, drink or smoke while working.  
Wash hands before work breaks and after finishing work.

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

Store in sealed original container protected against moisture.  
Store between 5 and 30°C.  
Keep only in original container.  
Store in a cool, dry place.  
Temperatures between + 5 °C and + 30 °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 10043-52-4	Workers	inhalation	Acute/short term exposure - local effects		10 mg/m <sup>3</sup>	
Calcium chloride 10043-52-4	Workers	inhalation	Long term exposure - local effects		5 mg/m <sup>3</sup>	
Calcium chloride 10043-52-4	General population	inhalation	Long term exposure - local effects		2,5 mg/m <sup>3</sup>	
Calcium chloride 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:  
Suitable breathing mask when there is inadequate ventilation.  
Combination filter: ABEKP (EN 14387)  
This recommendation should be matched to local conditions.

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.

## SECTION 9: Physical and chemical properties

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

Appearance	solid material granulate white
Odor	lavender
Odour threshold	No data available / Not applicable
pH	No data available / Not applicable
Initial boiling point	No data available / Not applicable
Flash point	No data available / Not applicable
Decomposition temperature	No data available / Not applicable
Vapour pressure	No data available / Not applicable
Density	No data available / Not applicable
Bulk density	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
Solubility (qualitative) (23 °C (73.4 °F); Solvent: Water)	Soluble
Solidification temperature	No data available / Not applicable
Melting point	No data available / Not applicable
Flammability	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Explosive limits	No data available / Not applicable
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	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**

None if used properly.

**10.6. Hazardous decomposition products**

None known.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****General toxicological information:**

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation (EC) No 1272/2008. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

**Eye irritation:**

Causes serious eye irritation.

**Sensitizing:**

An allergic reaction cannot be excluded after repeated skin contact.

**Acute oral toxicity:**

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Calcium chloride 10043-52-4	LD50	2.301 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)
Dipentene 138-86-3	LD50	4.400 - 5.000 mg/kg	oral		rat	
Pentyl salicylate 2050-08-0	LD50	2.000 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity)
Butylcyclohexylacetat, para-tert.- 32210-23-4	LD50	5.000 mg/kg	oral		rat	not specified

**Acute inhalative toxicity:**

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
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**Acute dermal toxicity:**

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
Calcium chloride 10043-52-4	LD50	> 5.000 mg/kg	dermal		rabbit	not specified
Benzyl benzoate 120-51-4	LD50	4.500 mg/kg	dermal		rabbit	not specified
Dipentene 138-86-3	LD50	> 5.000 mg/kg	dermal			
Butylcyclohexylacetat, para-tert.- 32210-23-4	LD50	> 5.000 mg/kg	dermal		rabbit	not specified

**Skin corrosion/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Calcium chloride 10043-52-4	not irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

**Serious eye damage/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
Calcium chloride 10043-52-4	moderately irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

**Germ cell mutagenicity:**

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

**SECTION 12: Ecological information****General ecological information:**

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation (EC) No 1272/2008. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

## 12.1. Toxicity

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Calcium chloride 10043-52-4	LC50	> 10.000 mg/l	Fish	96 h	Gambusia affinis	OECD Guideline 203 (Fish, Acute Toxicity Test)
Calcium chloride 10043-52-4	EC50	3.005 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Calcium chloride 10043-52-4	EC50	3.130 mg/l	Algae	96 h	Nitscheria linearis	OECD Guideline 201 (Alga, Growth Inhibition Test)
Calcium chloride 10043-52-4	EC0	> 2.500 mg/l	Bacteria			OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Benzyl benzoate 120-51-4	LC50	2,32 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	EU Method C.1 (Acute Toxicity for Fish)
Benzyl benzoate 120-51-4	EC50	3,09 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Benzyl benzoate 120-51-4	EC50	0,475 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
	NOEC	0,247 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Benzyl benzoate 120-51-4	EC 50	> 10.000 mg/l	Bacteria	3 h	activated sludge	ISO 8192 (Test for Inhibition of Oxygen Consumption by Activated Sludge)
Benzyl benzoate 120-51-4	NOEC	0,258 mg/l	chronic Daphnia	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)
Dipentene 138-86-3	LC50	38,5 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Dipentene 138-86-3	EC50	31 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Dipentene 138-86-3	EC50	13,8 mg/l	Algae	96 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Pentyl salicylate 2050-08-0	LC50	1,34 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	not specified
Pentyl salicylate 2050-08-0	EC50	0,88 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Pentyl salicylate 2050-08-0	EC50	0,77 mg/l	Algae	72 h	Pseudokirchnerella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
	NOEC	0,2 mg/l	Algae	72 h	Pseudokirchnerella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Pentyl salicylate 2050-08-0	EC 50	> 10.000 mg/l	Bacteria	3 h		OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Butylcyclohexylacetat, para- tert.- 32210-23-4	LC50	8,6 mg/l	Fish	96 h	Cyprinus carpio	OECD Guideline 203 (Fish, Acute Toxicity Test)
Butylcyclohexylacetat, para- tert.- 32210-23-4	EC50	23,4 mg/l	Daphnia	48 h	Daphnia magna	EU Method C.2 (Acute Toxicity for Daphnia)
Butylcyclohexylacetat, para- tert.-	EC50	17 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus)	OECD Guideline 201 (Alga, Growth



32210-23-4 Butylcyclohexylacetat, para- tert.- 32210-23-4	EC 50	300 mg/l	Bacteria	3 h	subspicatus)	Inhibition Test) OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
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**12.2. Persistence and degradability**

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Benzyl benzoate 120-51-4	readily biodegradable	aerobic	93 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Pentyl salicylate 2050-08-0	readily biodegradable	aerobic	86 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
		aerobic	84 %	OECD Guideline 302 B (Inherent biodegradability: Zahn- Wellens/EMPA Test)
Butylcyclohexylacetat, para- tert.- 32210-23-4	readily biodegradable	aerobic	75 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)

**12.3. Bioaccumulative potential / 12.4. Mobility in soil**

Hazardous components CAS-No.	LogPow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Benzyl benzoate 120-51-4	3,97				25 °C	EU Method A.8 (Partition Coefficient)
Dipentene 138-86-3	4,57					not specified
Pentyl salicylate 2050-08-0	4,57				25 °C	not specified
Butylcyclohexylacetat, para- tert.- 32210-23-4	4,42					not specified

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

Hazardous components CAS-No.	PBT/vPvB
Calcium chloride 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 0,00 %  
(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:

- H226 Flammable liquid and vapor.
- H290 May be corrosive to metals.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

### Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

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

Alternatively they can be accessed on the internet site [www.mysds.henkel.com](http://www.mysds.henkel.com) by entering number 563455.