

## Safety Data Sheet

*according to 1907/2006/EC, Article 31, amended by  
Regulation (EU) No. 453/2010*

### BEESWAX

Date: 24/03/2018

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product Identifier

**Trade Name:** Beeswax

**EC No.:** 232-383-7

**EINECS No.:** -

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

**Identified Uses:** Chemical industry, Industrial, Arts and Crafts, as raw material for further processing.

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**

**Classification (EC 1272/2008):** Does not contain any components which are hazardous according to CLP Regulation 1272/2008/EC.

### 2.2 Label elements

**Label Elements in accordance with (EC) No 1272/2008:** Does not require a hazard warning label in accordance with CLP Regulation 1272/2008/EC.

### 2.3 Other hazards

**Signal Word:** None

**Contains:** No additional data available.

**Hazard Statements:** None.

**Precautionary Statements:** None.

**Supplementary Precautionary Statements:** None.

**PBT or vPvB according to Annex XIII:** This product is not identified as PBT/vPvB substance according to REACH Annex XIII.

**Adverse physio-chemical properties:** None.

**Adverse effects on human health:** Hot liquid may cause thermal burns.

### 3. Composition/Information on ingredients

#### 3.1 Substances

Substances  CAS-No.	Substance Name	Mass % Range	EC Number	REACH Reg No
8012-89-3	Cera Alba	100	232-383-7	Exempt Annex V

### 4. First Aid Measures

#### 4.1 Description of first aid measures

**General Advice:**

Remove contaminated soaked clothing.

In case of accident or illness seek medical advice immediately.

First aider, pay attention to self-protection.

**Inhalation:**

Move affected person to fresh air.

Keep warm and rest.

If recovery is not rapid, obtain medical attention.

**Ingestion:**

Do not induce vomiting.

No emergency measures are needed but if adverse health effects follow or large amounts are swallowed, refer for medical attention.

**Skin Contact:**

Wash the affected parts of the body with soap and water.

No emergency measures are necessary but if adverse skin effects follow, refer for medical attention.

**Eye Contact:**

Flush eyes immediately with fresh water for at least 5 minutes while holding the eyelids open.

No emergency measures are necessary but if adverse eye effects follow, refer for medical attention.

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

**Symptoms and effects:**

**Inhalation:** High concentration of vapours may induce: Headache, nausea, dizziness. Irritant effect to the respiratory tract.

**Skin Contact:** May cause slight irritation to the skin. Heated product may cause burns.

**Eye Contact:** May cause slight irritation to eyes.

**Ingestion:** May cause nausea.

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

**Special requirements:** In contact with or splashed by melted product, quickly cool area with water.

## 5. Fire Fighting Measures

### 5.1 Extinguishing media

**Suitable extinguishing Media:** Foam, Carbon dioxide or dry powder.

**Unsuitable extinguishing Media-DO NOT USE:** Water.

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

#### **Specific hazards:**

Slight flammability hazard when exposed to heat or flame.

During a fire, toxic gases (carbon monoxide, nitrous gases) may be generated by thermal decomposition or combustion.

### 5.3 Advice for firefighters

#### **Special firefighting procedures/protective actions:**

Only suitably trained personnel should attempt to tackle fires.

Breathing apparatus and protective clothing should be worn.

Do not remain in the immediate vicinity without respiratory protective equipment and protective clothing.

## 6. Accidental Release Measures

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

#### **Personal precautions:**

##### **For non-emergency personnel:**

Wear suitable protective clothing.

See section 8. Stop leak if safe to do so.

Remove sources of ignition.

##### **For emergency responders:**

Wear suitable protective clothing and breathing apparatus.

See section 8.

Stop leak if safe to do so.

Remove sources of ignition

### 6.2 Environmental precautions

#### **Environmental Precautions:**

Water may be used to flush spills away from sources of ignition.

Prevent spreading by damming.

Do not allow the product to enter public drainage system or open water course.

Avoid release to the environment.

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

#### **Spill Clean Up Methods:**

##### **Containment:**

Stop leak if safe to do so.

Use damming system to prevent spreading.

##### **Cleaning up:**

Use sand or active clay to absorb spilled substance and remove to containers for disposal.

When in liquid state, cool and allow to solidify.

## 6.4 Reference to other sections

### Reference to other sections:

Section 8 – Exposure controls/ personal protection for further information on personal precautions,  
Section 13 – Disposal considerations for further information on waste treatment.

## 7. Handling and Storage

### 7.1 Precautions for safe handling

#### Usage precautions:

#### Recommendations:

Handle in accordance with GMP and safety procedures.

The molten product can cause severe burns.

Use molten product in well ventilated areas.

Use personal protective equipment as required.

#### General advice:

Do not eat or drink in immediate vicinity.

Wash hands after use.

Remove any contaminated clothing before eating or drinking.

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

#### Storage:

#### Storage Precautions:

Keep material sealed, dry and out of direct sunlight.

Avoid heat and ignition sources.

Store in original containers or other high density polyethylene containers which are sealable and clearly labelled.

Clean up spilled material immediately.

**Suitable Packaging:** No additional data available.

### 7.3 Specific end use(s)

**End Uses:** The material is formulated for various uses.

## 8. Exposure Controls/Personal Protection

### 8.1 Control parameters

**Components with workplace control parameters:** No additional data available

### 8.2 Exposure controls

#### Protective Equipment:

**Process conditions:** No Data Available.

**Engineering Measures:** Facilities storing or utilising this material should be equipped with an eyewash facility.

**Respiratory Equipment:** Inhalation of the vapour, fumes or mists should be avoided by safe working practices and good ventilation.

#### Hand Protection:

Use impervious gloves [conforming to EN374] PVC is suitable for casual contact.

If direct contact for more than 2 hours then Neoprene or nitrile gloves recommended.

**Eye Protection:** Wear appropriate eye protection with side shields (EN166).

**Other Protection:** No additional data available.

**Hygiene Measures:** No specific hygiene procedures recommended but good personal hygiene

practices should always be observed when working with chemical products.

**Personal protection:** No additional data available.

**Skin protection:** No special precautions are needed beyond clean working conditions and safe

**Thermal Hazards:**

Thermal hazards only applicable when material is heated.

Use appropriate heat resistant gloves.

**Environmental exposure controls:** See sections 6,7,12 and 13.

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

**Appearance:**

Liquid (at elevated temperature).

Solid (at ambient temperature).

**Odour** Typical.

**pH:** No additional data available.

**Melting point/ Congealing point °C:** 50-70

**Relative Density @ 20°C:** ~0.97 g/cm<sup>3</sup>

**Flash Point (°C):** >150°C

**Evaporation Rate:** No additional data available.

**Flammability (solid, gas):** No additional data available.

**Boiling Point (°C):** No additional data available.

**Vapour Pressure:** No additional data available.

**Vapour Density:** No additional data available.

**Solubility in Water @20°C:** Insoluble.

**Soluble in other solvents:** No additional data available.

**Auto-ignition temperature (°C):** No additional data available.

**Decomposition temperature:** No additional data available.

**Viscosity (kinematic, at 120°C):** <50mPas

**Explosive properties:** No additional data available.

**Oxidising properties:** No additional data available.

### 9.2 Other information

**Other Information:** None.

## 10. Stability and Reactivity

### 10.1 Reactivity

**Reactivity:**

Stable under the recommended handling and storage conditions.

May react with strong oxidising agents especially at high temperatures.

### 10.2 Chemical stability

**Stability:** Stable under the recommended handling and storage conditions.

### 10.3 Possibility of hazardous reactions

**Possible hazardous reactions:** No specific hazardous reactions are expected to occur under therecommended handling and storage conditions.

### 10.4 Conditions to avoid

#### Conditions to Avoid:

Extremes of temperature (preferably, store between 5 & 39 °C)

The product is combustible when heated >300°C.

### 10.5 Incompatible materials

**Incompatible materials:** May react with strong oxidants (e.g. Chlorates, peroxides).

### 10.6 Hazardous decomposition products

**Hazardous Decomposition Products:** Thermal decomposition or incomplete combustion may produce carbon monoxide, nitrous gases and irritating fumes.

## 11. Toxicological Information

### 11.1 Information on toxicological effects

#### Acute Toxicity:

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

#### Acute toxicity:

**Oral:** LD50 > 2000mg/kg

**Inhalation:** No data available

**Skin corrosion / irritation:** Not classified as corrosive/irritant to skin - based on available data, the classification criteria are not met.

**Serious eye damage / irritation:** Can cause slight to moderate irritation.

**Respiratory or skin sensitisation:** Not classified as a respiratory or skin sensitizer - based on available data, the classification criteria are not met.

**Germ Cell Mutagenicity:** Not classified as a germ cell mutagenic or carcinogenic - based on available data, the classification criteria are not met.

**Carcinogenicity:** No additional data available.

**Reproductive toxicity:** Not classified as a Reproductive Toxicant - based on available data, the classification criteria are not met.

**STOT-single exposure:** Not classified as a specific target organ toxicant (single exposure).

**STOT-repeated exposure:** Not classified as a specific target organ toxicant (repeated exposure).

#### Aspiration hazard:

Not classified as presenting an aspiration hazard - based on available data, the classification criteria are not met.

#### Likely routes of exposure:

**Skin/eye exposure** – no adverse health effects expected.

Symptoms related to the physical, chemical and toxicological characteristics.

**If swallowed:** Diarrhoea, gastrointestinal complaints.

**If inhaled:** No data available.

**If on skin:** No data available.

**Photo-toxicity:** No additional data available.

**Repeated dose toxicity:** No additional data available.

## 12. Ecological Information

### 12.1 Toxicity

**Ecotoxicity:** Not classified as hazardous to the aquatic environment according to 1272/2008/EC

### 12.2 Persistence and degradability

**Persistence & degradability:** Insoluble in water – can be separated from water in suitable effluent treatment plants.

### 12.3 Bioaccumulative potential

**Bioaccumulative Potential:** No additional data available.

### 12.4 Mobility in soil

**Mobility:** Non-volatile and absorption into soil solid phase not expected.

### 12.5 Results of PBT and vPvB assessment

**PBT Assessment Results:** Not identified as a PBT/ vPvB Substance according to REACH Annex XIII.

### 12.6 Other adverse effects

**Precautions:** No additional data available.

## 13. Disposal Considerations

### 13.1 Waste treatment methods

**Disposal Methods:** Treat in accordance with EU directive 2008/98/EC. Transport to authorised waste location, or incinerate under controlled conditions (EU Directives 2000/76/EC and 1999/31/EC apply). Do not dispose to drains or sewage systems.

## 14. Transport Information

**Warning Icon:** Not Classified.

### 14.1 UN number

**UN No Road – ADR/RID/ADN:** Not classified.

**UN No Sea-IMDG:** Not classified

**UN No Air – IATA:** Not classified.

### 14.2 UN proper shipping name

**Road – ADR/RID/ADN:** Not classified.

**Sea-IMDG:** Not classified.

**Air-IATA:** Not classified.

### 14.3 Transport hazard class(es)

**Road – ADR/RID/ADN:** Not classified.

**Sea-IMDG:** Not classified.

**Air-IATA:** Not classified.

### 14.4 Packing group

**Road – ADR/RID/ADN:** Not classified.

**Sea-IMDG:** Not classified.

**Air-IATA:** Not classified.

#### **14.5 Environmental hazards**

Environmentally hazardous substance/ marine pollutant: None.

#### **14.6 Special precautions for user**

Precautions: None.

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

Not classified.

### **15. Regulatory Information**

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

**mixture EU Directives:** Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18th Dec 2006 Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 199/45/EC and repealing Council Regulation Council Regulation (EEC) No793/93 and Commission Regulation (EC) No1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, and 93/105/EEC and 2000/21/EC including amendments.

**Statutory Instruments:** The Chemicals (Hazard Information and Packaging for Supply Regulation2009 (S.I. 2009 No 716).

**Approved Code of Practice:** Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations

**Guidance Notes:** Workplace Exposure Limits EH40. CHIP for everyone HSG 108.

#### **15.2 Chemical safety assessment**

**Assessment information:** A chemical assessment for this product has not been carried out.

### **16. Other Information**

**Risk Phrases in Full:** None.

**Hazard Statements in Full:** None.

**Other Information:** None.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The information contained in this SDS is accurate to the best of our knowledge and has been obtained from a variety of sources. No liability can be accepted arising out of the use, application or processing of this product. It is the users' responsibility to determine the safe conditions for the use of this product.