

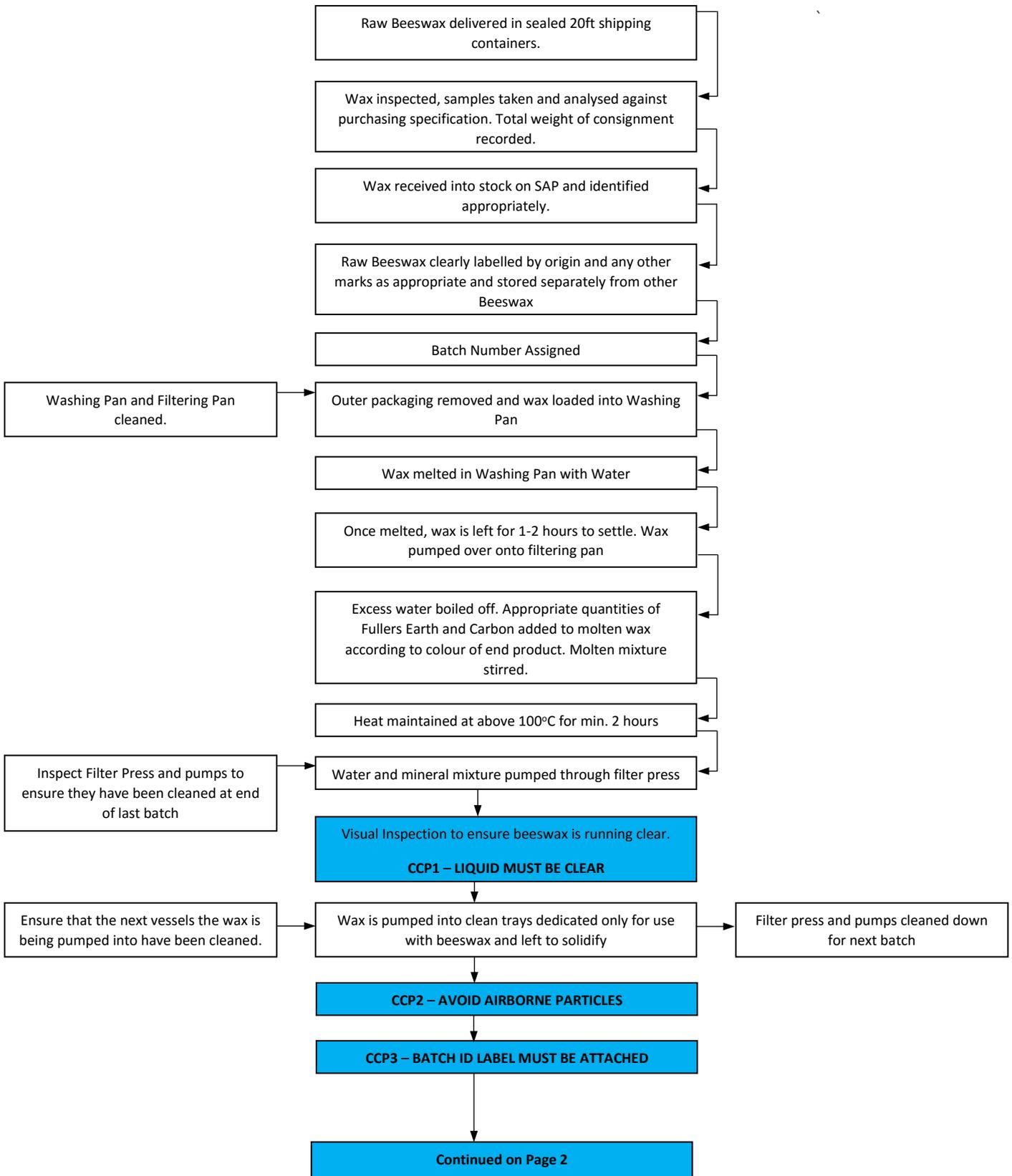


Beeswax Blocks  
Batch Number: 4512607  
Best Before Date: July 2026

PROPERTY	UNIT	RANGE	RESULT
MELTING POINT	°C	61-66	63.5
ACID VALUE	mg KOH/g	17-24	17.4
ESTER VALUE	mg KOH/g	70-80	70
SAPONIFICATION VALUE	mg KOH/g	87-104	88.5
HYDROCARBON VALUE	%	12-19	17.5

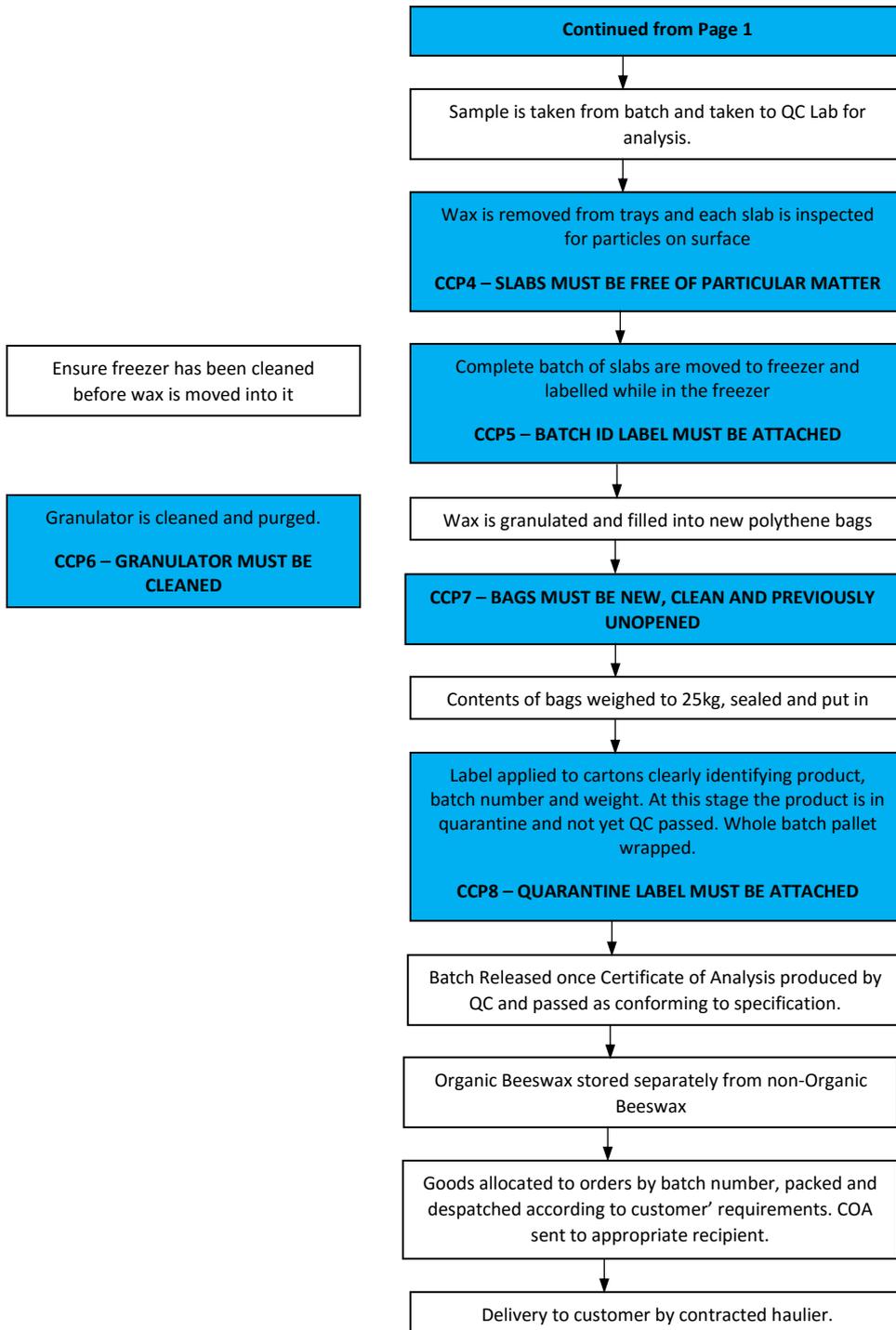
## Product Statements – Product Flowchart

Yellow Beeswax Blocks



# Product Statements – Product Flowchart

Yellow Beeswax Blocks



BiOrigins, 19-20 Sandealth Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK  
Tel: 01425 655555 Email: technical@madarcorporation.co.uk

## SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Yellow Beeswax

Revision 5  
Date of issue 30/06/2023  
Supersedes 30/03/2020

### SECTION 1: Identification of the Substance and of the Company

#### 1.1. Product Identifier

Product Trade Name	Yellow Beeswax
Chemical Type	Substance
Chemical Description	Beeswax
	Long chain saturated and unsaturated alkanes, esters, alcohols and acids
CAS Number	8006-40-4
EC Number	232-383-7
Reach registration number	

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

##### 1.2.1. Relevant identified uses

Main use category SU3, SU5, SU7, SU8, SU10, SU11, SU12, SU17, SU19

1.2.2. Uses advised against None unless specified elsewhere in the SDS

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

Madar Corporation Limited  
19 - 20 Sandleheath Industrial Estate  
Fordingbridge  
SP6 1PA  
technical@madarcorporation.co.uk  
01425 655 555

### SECTION 2: Hazards Identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]  
*The substance is not classified according to the CLP regulation. Not classified*  
Classification according to Directive 67/548/EEC or 1999/45/EC  
*Not applicable Not applicable*  
Adverse physicochemical, human health and environmental effects  
*No additional information available*

#### 2.2 Label elements

Labelling to EC 1272/2008 [CLP]	<i>No labelling applicable</i>
Signal word	
Precautionary Statements	<i>P280 Wear protective gloves/protective clothing/eye protection/face protection. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P333 + P313 If skin irritation or rash occurs: Get medical advice/attention. 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. P501 Dispose of contents/container to a waste facility.</i>

#### 2.3 Other Hazards

*Not classified as PBT / vPvB by current EU criteria*

### SECTION 3: Composition / information on ingredients

#### 3.1 Substances

Chemical name	CAS No.	EC No.	%	Classification according to Directive 67/548/EC
Beeswax	8012-89-3	232-383-7	100%	

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### 3.2 Mixtures

Chemical name	CAS No.	EC No.	%	Classification according to Directive 67/548/EC

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

First aid measures general	<i>In case of serious or persistent conditions, call a doctor or seek emergency medical care.</i>
First aid measures after inhalation	<i>Remove to fresh air. Obtain medical attention if symptoms persist.</i>
First aid measures after skin contact	<i>Cold material: wash with soap, hand cleaner and water. Hot material: flush skin with cold water to cool as quickly as possible. Cover with clean cotton. Do not attempt to remove substance from a burn as this can result in tissue loss. Obtain prompt medical attention</i>
First aid measures after eye contact	<i>Cold material: wash eyes thoroughly with liberal amounts of water. Heated material: Rinse with cool water to dissipate heat, do not try to remove substance. Obtain prompt medical attention.</i>
First aid measures after ingestion	<i>Wash the mouth with water. If large amounts are swallowed obtain prompt medical attention.</i>

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

Symptoms / Injuries	<i>If inhaled or ingested, there may be some irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur.</i>
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### 4.3 Indication of any immediate medical attention and special treatment needed

*Treat symptomatically.*

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media	<i>Dry chemical, CO2, foam.</i>
Unsuitable extinguishing media	<i>Water jet. This will cause the fire to spread.</i>

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

*Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.*

### 5.3 Advice for firefighters

Firefighting instructions	<i>No further relevant information available.</i>
Protection during firefighting	<i>Breathing apparatus and protective gloves. Other information No further relevant information available.</i>

## SECTION 6: Accidental release measures

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

General measures	<i>Remove persons from danger area.</i>
Protective equipment	<i>Wear protective equipment as described in Section 8 of this SDS.</i>
Emergency procedures	<i>In case of spills, beware of slippery floors. Remove ignition sources. Provide adequate ventilation.</i>

### 6.2 Environmental precautions

*Keep away from drains, surface and ground water. Spillages or uncontrolled discharges into the watercourse must be IMMEDIATELY alerted to the appropriate regulatory body.*

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

Methods for cleaning up *If molten, allow to solidify, scrape up and dispose of as solid combustible material. Contain liquid with sand, earth or similar absorbent material.*

### 6.4 Reference to other sections

PPE - Section 8. Waste Disposal - Section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Precautions for safe handling *Avoid spilling, skin and eye contact. Avoid inhalation of vapours.*

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

Technical measures *No special measures required.*  
 Storage conditions *Store in a cool, dry place. Keep away from combustion source. Protect from exposure to sunlight.*  
 Incompatible products *No further relevant information.*  
 Storage temperature *Below 25°C*

### 7.3 Specific end use(s)

*Specific identified uses for this product are detailed in Section 1.2*

## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

*According to our experience and to the information provided to us, the product does not have any harmful effects if it is used and handled as specified.*

#### DNEL (Workers):

Identification		Short Exposure		Long Exposure	
		Systemic	Local	Systemic	Local
Yellow Beeswax	Oral	n/a	n/a	n/a	n/a
CAS: 8006-40-4	Dermal	n/a	n/a	n/a	n/a
EC: 232-383-7	Inhalation	n/a	n/a	n/a	n/a

#### DNEL (Populations):

Identification		Short Exposure		Long Exposure	
		Systemic	Local	Systemic	Local
Yellow Beeswax	Oral	n/a	n/a	n/a	n/a
CAS: 8006-40-4	Dermal	n/a	n/a	n/a	n/a
EC: 232-383-7	Inhalation	n/a	n/a	n/a	n/a

#### PNEC:

Identification			
Yellow Beeswax	STP	n/a	Fresh water
CAS: 8006-40-4	Soil	n/a	Marine water
EC: 232-383-7	Intermittent	n/a	Sediment (Fresh water)
	Oral	n/a	Sediment (Marine water)

## 8.2 Exposure controls

### Protective equipment



Appropriate engineering controls	<i>Provide adequate ventilation, including appropriate local extraction, to ensure that the defined exposure limit is not exceeded.</i>
Hand protection	<i>No special precautions other than protection from splashing or contact with molten material.</i>
Eye protection	<i>Safety glasses, chemical goggles (if splashing possible).</i>
Skin and body protection	<i>Heated wax should be handled with caution and suitable protective clothing worn.</i>
Respiratory protection	<i>Adequate ventilation</i>

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	<i>Waxy solid</i>
Colour	<i>Light brown</i>
Melting point / range, °C	<i>Mettler 61 - 66</i>
Congealing point / range, °C	<i>ASTM D-938 60 - 65</i>
Boiling point / range, °C	<i>n/a</i>
Flash point, °C	<i>&gt; 200</i>
Autoignition point, °C	<i>&gt;250</i>
Relative density	<i>0.958 - 0.970g / cm<sup>3</sup></i>
Solubility	<i>Water: Insoluble Ethanol: Partially soluble Ether: Soluble</i>

### 9.2 Other information

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

*No specific reactivity hazards associated with this product.*

### 10.2 Chemical stability

*Stable under normal conditions.*

### 10.3 Possibility of hazardous reactions

*No decomposition if used according to instructions in SDS.*

### 10.4 Conditions to avoid

*Avoid heat, flames and other sources of ignition.*

### 10.5 Incompatible materials

*Strong oxidising agents. Strong acids.*

### 10.6 Hazardous decomposition products

*Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.*

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

*No data available.*  
19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK  
Tel: 01425 655555 Email: technical@madarcorporation.co.uk

Skin corrosion / irritation	<i>No irritating effect</i>
Serious eye damage / irritation	<i>No irritating effect</i>
Respiratory or skin sensitisation	<i>No sensitizing effects known</i>
Germ cell mutagenicity	<i>No data available</i>
Carcinogenicity	<i>No data available</i>
Reproductive toxicity	<i>No data available</i>
Specific target organ toxicity (single exposure)	<i>No data available</i>
Specific target organ toxicity (repeated exposure)	<i>No data available</i>
Aspiration hazard	<i>No data available</i>

## SECTION 12: Ecological information

### 12.1 Toxicity

*No data available*

### 12.2 Persistence and degradability

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

*Not classified as PBT/vPvB by current EU criteria*

### 12.6 Other adverse effects

*None known.*

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Ecology – waste materials *Recommendation: Smaller quantities can be disposed of with household waste.*  
 European waste catalogue *05 01 06 Oily sludges from maintenance operations of the plant or equipment.  
 07 01 99 Wastes not otherwise specified. 12 01 12 Spent waxes  
 and fats*  
 Uncleaned packaging *Recommendation: Disposal must be made according to official regulations.*

## SECTION 14: Transport information

### General information

*The product is not covered by international regulation on the transport of dangerous goods (ADR/RID, IMDG, IATA)*

### 14.1 UN Number

ADR/RID	<i>No information</i>	IMDG	<i>No information</i>	IATA	<i>No information required</i>	<i>required</i>	<i>required</i>
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### 14.2 UN Proper Shipping name

ADR/RID	<i>No information</i>	IMDG	<i>No information</i>	IATA	<i>No information required</i>	<i>required</i>	<i>required</i>
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### 14.3 Transport hazard class(es)

ADR/RID	<i>No information</i>	IMDG	<i>No information</i>	IATA	<i>No information required</i>	<i>required</i>	<i>required</i>
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### 14.4 Packing group

ADR/RID	<i>No information</i>	IMDG	<i>No information</i>	IATA	<i>No information required</i>	<i>required</i>	<i>required</i>
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**14.5 Environmental hazards**

ADR/RID                      *No information*    IMDG    *No information*    IATA    *No information required*    required    required

**14.6 Special precautions for user****14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

*No information required*

**14.8 Additional information****SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture****15.1.1 EU regulations**

*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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.  
Directive 67/548/EC  
Regulation [EC] 1272/2008  
Regulation [EC] 1907/2006  
Regulation [EC] 453/2010*

**15.1.2 National regulations**

*UK Regulatory References. Health and Safety at Work Act 1974.  
The Control of Substances Hazardous to Health Regulations 2002 (S.I. 2002 No. 2677) with amendments.*

**15.2 Chemical safety assessment**

*A chemical safety assessment has not been carried out.*

**SECTION 16: Other information****Legal Disclaimer**

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. In view of the fact that the application of this information is outside our control, we disclaim any liability incurred in connection with its application or use. It should not therefore be construed as guaranteeing any specific property of the product.

## Product Specification

**Product Name: YELLOW BEESWAX SLAB**

### Characteristics

Yellow slabs or blocks, with a fine-grained, matt, non-crystalline fracture; becomes soft and pliable when warmed by hand. Odour, faint, and characteristic of honey. Relative density, about 0.96.

### Solubility

Practically insoluble in water; partially soluble in hot ethanol (90%) and in ether; completely soluble in fatty and essential oils.

PROPERTY	UNIT	METHOD	SPECIFICATION
MELTING POINT	°C	Ph. Eur. 9.0 (2.2.17)	61- 66
ESTER VALUE	mg KOH/g	Ph. Eur. 6.0	70 - 80
ACID VALUE	mg KOH/g	Ph. Eur. 6.0	17- 24
SAPONIFICATION VALUE	mg KOH/g	Ph. Eur. 6.0	87 - 104
HYDROCARBON VALUE	%	GC-MS	12 - 19

**Date 16/06/2023**

*The document above has to be considered as technical information, it is presented in good faith, but no warranty is given. The above information does not release the customer from making their own controls and checks upon receipt of the product. In view of the great variety of possible applications, no assurance is given of the suitability of the product for any particular purpose.*

*This is a computer-generated document and therefore is not signed*



## YELLOW BEESWAX DECLARATION STATEMENT

<b>VEGAN</b>	Yellow Beeswax is produced by animals it is <b>not</b> considered vegan; it is however vegetarian.
<b>G.M.O.</b>	Yellow Beeswax does <b>not</b> contain Genetically Modified Organisms.
<b>CMR</b>	Yellow Beeswax does <b>not</b> contain substances classified as carcinogenic, mutagenic, or toxic for reproduction (CMR substances)
<b>ANIMAL TESTING</b>	Yellow Beeswax is <b>not</b> tested on animal.

To the best of our knowledge, the aforementioned statements are accurate.

Date: 17<sup>th</sup> July 2023.