



## CERTIFICATE OF ANALYSIS

**Product:** White Beeswax Blend

**Batch:** 4495905

**Expiry Date:** February 2026

### Method

		<u>Result</u>	<u>Specification</u>
	ISO 2207		
Congealing Point Acid	ISO 3682	63.0	60 - 65°C
Value	Visual	19.4	17 – 22 mg KOH/g
Colour		Pass	White/Off-White

*The above batch meets the product specification completely*



**PRODUCT DATA SHEET**  
**WHITE BEESWAX BLEND**

PRODUCT DESCRIPTION AND COMPOSITION	
Product Name	White Beeswax Blend
Product Code	
Shelf Life	36 months from date of manufacture
INCI	Not Applicable - Blend
CAS	Blend – see MSDS for further details
Material Origin	Natural (Animal), Natural (Plant/Vegetable), Mineral
Country of manufacture/origin	EU
Recommended Storage Conditions	≤35°C, dry, and out of direct sunlight. Remain sealed where possible
Vegetarian / Vegan friendly	Yes / No
Palm free	No
Halal	Yes
Kosher	Yes
Description	A white/ivory blend of natural and mineral derive waxes designed to replicate the chemical, physical and performance characteristics of natural beeswax.

REGULATORY APPROVALS	
Cosmetic & Personal Care	
Cosmetic products (EC 1223/2009)	Complies, based on existing knowledge of the raw materials used.
CMR (EC 1223/2009 article 15)	The substances classified as Carcinogenic, Mutagenic or toxic to Reproduction according to category 1A, 1B and 2 of EC 1272/2008 annex VI are not expected to be present* Specific data is not available
Nanomaterials (EC 1223/2009 article 16)	This product is not intentionally manufactured to a particle size of 1-100nm, nor are particles of this size intentionally introduced.
Non-animal testing (EC 1223/2009 article 18)	Animal testing has not been performed on this product by us, or by any third party. This product complies with current European legislation regarding the ban of animal testing of cosmetic products.
Cosmetic Allergens (2003/15/EC)	The 26 cosmetic allergens currently specified in current European cosmetic legislation are not expected to be present in concentrations exceeding 0.001% that would require listing on cosmetic labelling or packaging* Specific data is not available.
Mineral Hydrocarbons in cosmetic lip care products (Cosmetics Europe no.14)	Not Applicable
Allergens (EC 1169/2011)	The 14 allergens specified in current European food legislation are not expected to be present* Specific data is not available.
REACH	
REACH (EC 1907/2006)	Components Registered or exempt
SVHC (EC 1907/2006 Article 59)	The substances specified on the Candidate List of Substances of Very High Concern are not expected to be present in concentrations exceeding 0.1% w/w.* Specific data is not available.



California Proposition	
<b>California Proposition 65</b> (The Safe Drinking Water and Toxic Enforcement Act of 1986)	The substances listed on the California Proposition 65 are not expected to be present* Specific data is not available

IMPURITIES	
<b>Residual Solvents</b> (ICH Q3C)	Class 1, 2 or 3 solvents are not used to manufacture this product, and as such are not expected to be present in concentrations exceeding those stated in the current ICH Q3C guideline* Specific data is not available.
<b>VOC</b>	Not expected to be present* Specific data is not available.
<b>Heavy Metals</b>	Neither Heavy Metals nor metal catalysts are used to manufacture this product, and as such are not expected to be present in concentrations exceeding unavoidable trace levels*
<b>Conflict Minerals</b> (Dodd-Frank wall street reform & consumer protection act)	Not expected to be present* Specific data is not available.

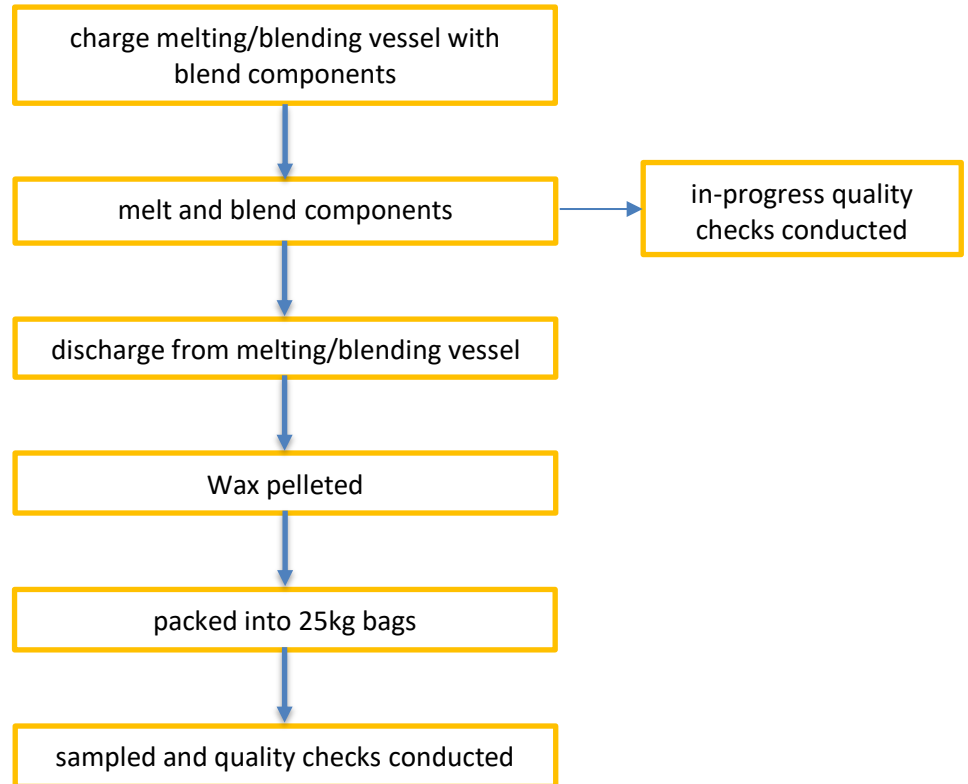
TOXICOLOGY	
<b>BSE/TSE free</b>	This product is free from materials of bovine, ovine and caprine origin, and does not come into contact with any such materials during manufacture or storage. As such this product can be declared free from Bovine Spongiform Encephalopathy (BSE) and Transmissible Spongiform Encephalopathy (TSE).
<b>Non-GMO</b>	This product does not contain any materials of Genetically Modified origin.
<b>Irradiation</b>	This product has not been irradiated.
<b>Absence of pathogenic microorganisms</b>	This product is processed using temperatures in excess of 100°C, and as a non-water containing wax, does not support bacterial or fungal growth.

\*Based on existing knowledge of the raw material(s) used, the substances specified are not expected to occur naturally, nor are they intentionally introduced during manufacturing or further processing.

We hereby confirm that the information contained in this document is understood to be accurate, to the best of our knowledge, at the time of issue.



**PRODUCTION OVERVIEW**  
**WHITE BEESWAX BLEND (PHC 8644)**



We hereby confirm that the information contained in this document is understood to be accurate, to the best of our knowledge, at the time of issue.



## MATERIAL SAFETY DATA SHEET BEESWAX BLEND

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & COMPANY

#### 1.1 Product Identifier

Product name: White Beeswax Blend (PHC 8644)

REACH registered name:

REACH registered No: See section 3

CAS number: See section 3

EC number: See section 3

#### 1.2 Use of substance

Intended uses: Chemical, cosmetic, Industrial, and personal care as a raw material for further processing

Uses advised against: No information available

#### 1.3 Supplier Details

Name: **Madar Corporation Limited**

Address: **19 - 20 Sandleheath Industrial Estate, Fordingbridge, SP6 1PA**

Phone Number: +44 01425 655555 (Monday - Friday 09.00-16.00)

Fax Number:

Email: technical@madarcorporation.co.uk

#### 1.4 Emergency Number

+44 1425 655 555 (Monday - Friday 09.00-16.00)

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the Substance of Mixture:

Does not contain any components which are hazardous according to CLP Regulation 1272/2008/EC

#### 2.2 Label Elements:

Does not require a hazard warning label in accordance with CLP Regulation 1272/2008/EC.

#### 2.3 Other Hazards:

PBT: This product is not identified as a PBT/ vPvB Substance according to REACH Annex XIII.  
Hot liquid may cause thermal burns.

### 3. COMPOSITION/INFORMATION ON THE COMPOSITION

#### 3.1 Substances

Substance Name	CAS-No	EC Number	REACH Reg No
Beeswax	8012-89-3	232-383-7	Exempt (Annex V)
Paraffin waxes (petroleum), hydrotreated	64742-51-4	265-154-5	01-2119480133-46
Hydrocarbon waxes (petroleum), hydrotreated microcryst.	64742-60-5	265-163-4	01-2119488075-32
Oils, palm, hydrogenated	68514-74-9	271-056-3	Exempt (Annex V)
Fatty acids, C16-18	67701-03-5	266-928-5	01-2119543709-29



### 3.2 Mixtures

Not applicable. There are no additional components present which, to the knowledge of the supplier, are classified or contribute to the classification of the substance according to 1272/2008/EC.

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## 4. FIRST AID MEASURES

### 4.1 Description of First Aid Measures

General information: Remove contaminated/saturated clothing. In case of accident or illness seek medical advice immediately.

Inhalation: Remove the affected person to fresh air, keep warm and rest. If recovery is not rapid, seek medical advice.

Skin Contact: Wash the affected parts of the body with soap and water. No emergency measures are necessary but if adverse skin effects follow, seek medical advice.

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, seek medical advice.

Ingestion: Do not induce vomiting. No emergency measures are necessary but if adverse health effects follow or large amounts are swallowed, seek medical advice.

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

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

In contact with or splashed by melted product, quickly cool area with water.

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## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media: Foam, Dry Chemical Powder, Carbon Dioxide.  
Unsuitable extinguishing media: Water.

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

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

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.

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## 6. ACCIDENTAL RELEASE

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

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**

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**

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**

See sections 8 and 13

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**7. HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

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**

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.

**7.3 Specific end use(s)**

No data available

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control Parameters**

TWA TLV (ACGIH):	No data available
DNEL:	No data available
PNEC:	No data available
PEL:	No data available
REL:	No data available

**8.2 Exposure Controls**

Appropriate engineering measures:	Facilities storing or utilising this material should be equipped with an eyewash facility.
Eye protection:	Wear appropriate eye protection with side shields (EN166).
Skin protection:	Use impervious gloves (EN374). PVC is suitable for casual contact. If direct contact for more than 2 hours then Neoprene or nitrile gloves recommended.
Respiratory protection:	Inhalation of the vapour, fumes or mists should be avoided by safe working practices and good ventilation.



Thermal Hazards:

Thermal hazards only applicable when material is heated.

Environmental Exposure Controls:

Use appropriate heat resistant gloves.

See sections 6, 7, 12 and 13.

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## 9. **PHYSICAL & CHEMICAL PROPERTIES**

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

Appearance:	Liquid (at elevated temperature) Solid (at ambient temperature)
Odour:	Low typical
Odour Threshold:	No data available
pH:	No data available
Melting point/Congeeing point:	60-66°C
Initial boiling point/range:	No data available
Flash point:	>200°C
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Explosion Limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Relative density (at 20°C):	0.90 g/cm <sup>3</sup>
Solubility in water:	Insoluble
Solubility in other solvents:	No data available
Partition coefficient n-octanol/water:	No data available
Auto-ignition temperature:	>200°C
Decomposition temperature:	No data available
Viscosity (Kinematic, at 120°C):	<50 mPas
Explosive properties:	No data available
Oxidizing properties:	No data available

### 9.2 **Other information**

No data available

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## 10. **STABILITY AND REACTIVITY**

### 10.1 **Reactivity**

Not reactive under normal storage and handling conditions (see section 7). May react with strong oxidising agents, especially at high temperatures.

### 10.2 **Chemical stability**

Stable under normal storage and handling conditions.

### 10.3 **Possibility of hazardous reactions**

No hazardous reactions are expected to occur under normal storage and handling conditions.

### 10.4 **Conditions to avoid**

Extremes of temperature (preferably, store between 5 and 39°C). The product is combustible when heated >300°C.

### 10.5 **Incompatible materials**

May react with strong oxidants (e.g. chlorates, peroxides).





## 10.6 Hazardous decomposition products

Thermal decomposition or incomplete combustion may produce carbon monoxide, nitrous gases and irritating fumes.

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## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

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

#### **Acute toxicity**

Oral: No data available

Inhalation: No data available

#### **Skin corrosion/irritation**

Could cause slight irritation

#### **Serious eye damage/eye irritation**

Could 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.

#### **Reproductive toxicity**

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

- **Specific target organ toxicity – single exposure**

Not classified as a specific target organ toxicant (single exposure)

- **Specific target organ toxicity – 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

#### **Delayed and chronic effects from short and long-term exposure**

No data available

#### **Other information**

No data available



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12. **ECOLOGICAL INFORMATION**

**12.1 Toxicity**

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

**12.2 Persistence and degradability**

Insoluble in water – can be separated from water in suitable effluent treatment plants.

**12.3 Bioaccumulation potential**

No data available

**12.4 Mobility in soil**

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

**12.5 Results of PBT & vPvB assessment**

Not identified as a PBT/ vPvB Substance according to REACH Annex XIII.

**12.6 Other adverse effects**

No data available

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13. **DISPOSAL CONDITIONS**

**13.1 Waste treatment 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.

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14. **TRANSPORT INFORMATION**

**14.1 UN number**

Not classified

**14.2 UN Proper shipping name**

Not Classified

**14.3 Transport Hazard Class(es)**

Not Classified

**14.4 Packing Group**

Not Classified

**14.5 Environmental Hazards**

None

**14.6 Special Precautions for user**

None

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

Not classified



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15. **REGULATORY INFORMATION**

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

EU Regulations: Regulation [EC] 1272/2008 including amendments  
Regulation [EC] 1907/2006 including amendments (EC 2015/830)

**15.2 Chemical Safety Assessment**

The supplier has not performed a chemical safety assessment of this substance.

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16. **OTHER INFORMATION**

**Indication of changes:** All sections revised according to Regulation [EC] No 1272/2008 [CLP] in preparation for the 1 June 2015 deadline.

Version number	Date reviewed/revised	Indication of change
V1	12/11/2020	Document created

**Abbreviations & Acronyms:**

ACGIH:	American Conference of Governmental Industrial Hygienists
CAS No:	Chemical Abstract Service number
CLP:	Classification Labelling and Packaging Regulation
DNEL:	Derived No Effect Level
EC:	European Commission
EC No:	European Chemical Number – EINECS – ELINCS
ECHA:	European Chemical Agency
EINECS:	European Inventory of Existing Commercial Chemical Substances
ELINCS:	European List of Notified Chemical Substances
ES:	Exposure Scenario
LD50:	Median Lethal Dose
LC50:	Median Lethal Concentration
PEL:	Permissible Exposure Limit
PNEC:	Predicted No Effect Level
REACH:	Registration, Evaluation, Authorisation & restriction of Chemicals
REL:	Recommended Exposure Limit
TLV:	Threshold Limit Value
TWA:	Time Weighted Average

**Hazard Statements/Precautionary statements:**

None

The information contained herein is for health and safety guidance only and does not constitute a product specification. It is, to the best of our knowledge and belief accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.



## PRODUCT SPECIFICATION

### WHITE BEESWAX BLEND

<b>Description*</b>	<b>A blend of beeswax and other waxes designed as a cost-effective alternative to pure white beeswax in cosmetic applications.</b>
<b>Drop Melting Point* (ISO 2176)</b>	<b>61 - 66°C</b>
<b>Congealing Point (ISO 2207)</b>	<b>60 - 65°C</b>
<b>Acid Value (ISO 3682)</b>	<b>17 – 22 mg KOH/g</b>
<b>Ester Value* (Calculated)</b>	<b>70 – 80 mg KOH/g</b>
<b>Saponification Value* (ISO3681)</b>	<b>87 – 102 mg KOH/g</b>
<b>Colour (Visual)</b>	<b>White / Off-white</b>

\*Indication only, not stated on Certificate of Analysis

***This document nullifies and replaces all previous documents referring to this material.***