



Certificate of Analysis

Yellow Beeswax Blocks

General

Batch No.	4374209
Manufacture Date	October 2019
Expiry Date	October 2022

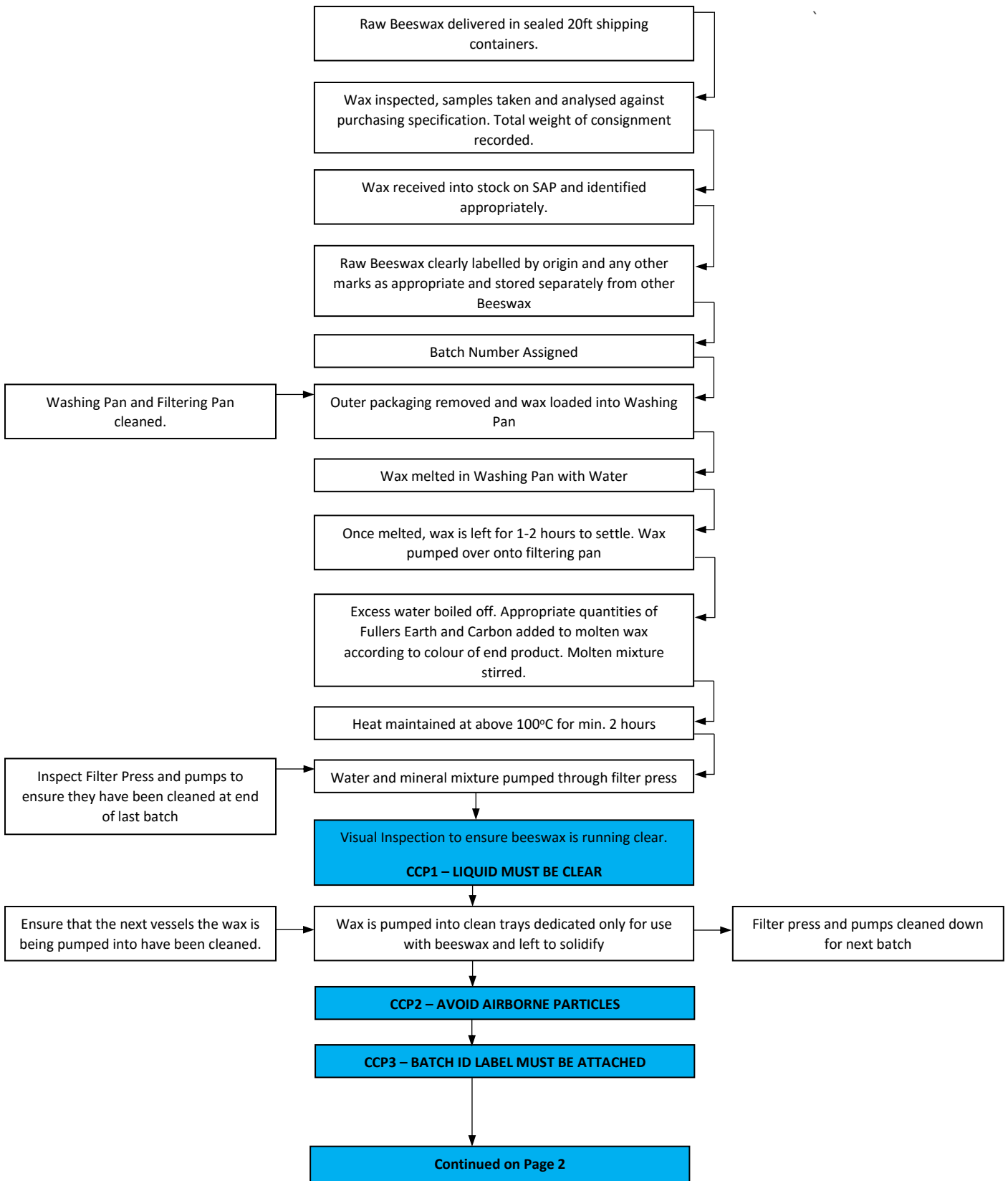
Sensory Description

Test Item	Unit(s)	Range	Result
Melting Point	°C	61 – 66	62.5
Acid Value	mg KOH/g	17 – 24	17.21
Ester Value	mg KOH/g	70 – 80	71
Saponification Value	mg KOH/g	87 – 104	88.2

Details as per our supplier

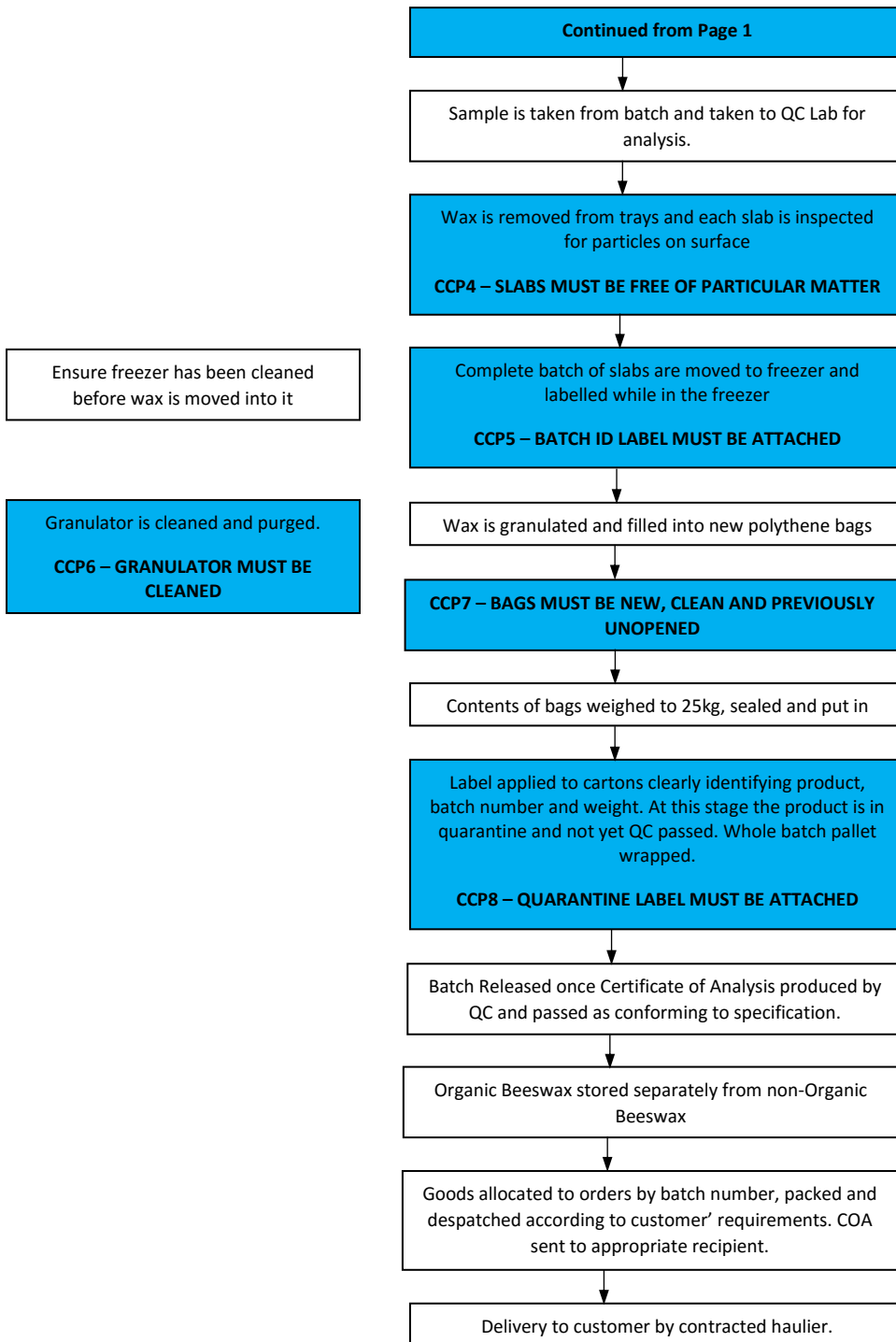
Product Statements – Product Flowchart

Yellow Beeswax Blocks



Product Statements – Product Flowchart

Yellow Beeswax Blocks



Product Statements – Various



Yellow Beeswax Blocks

Dear Sir/Madam,

I can confirm that the below information is correct as per our supply source:

Product:	Yellow Beeswax Blocks
Origin:	Chinese
Tariff Number:	1521 9099
GMO Status:	GMO-Free

Information provided as per our supplier.

Tariffs code is provided by our supplier. We would suggest confirming this information (as with all Customs Tariff Numbers) with the Government (or local) source to make sure this is accurate and up-to-date.

Kind Regards,

Safety Data Sheet – Yellow Beeswax Blocks

Date of Issue: 16-01-2019

Supersedes: 04-07-2018

Revision No.: 2.0

5040 / 5045 / 5046 / 5060 / 5240

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

1.1 Product Identification

Product Code	5040 / 5045 / 5046 / 5060 / 5240
Product Trade Name	Yellow Beeswax Blocks
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

Company Address	Madar Corporation Limited, 19 - 20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA
Tel	01425 655555
Email	technical@madarcorporation.co.uk

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

Adverse physicochemical, human health and environmental effects

No additional information available

2.2 Label Elements

Labelling to EC 1272/2008 [CLP]	No labelling applicable
Signal word	-
Precautionary Statements	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.

2.3 Other Hazards

Not classified as PBT / vPvB by current EU criteria

SECTION 3: Composition of ingredients

3.1 Substances

Chemical Name	Beeswax
CAS number	8012-89-3
EINECS number	232-383-7
%	100%

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SECTION 4: First Aid Measures

4.1 Description of First Aid Measures

First aid measures General	In case of serious or persistent conditions, call a doctor or seek emergency medical care.
First aid measures after inhalation	Remove to fresh air. Obtain medical attention if symptoms persist.
First aid measures after skin contact	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
First aid measures after eye contact	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.
First aid measures after ingestion	Wash the mouth with water. If large amounts are swallowed obtain prompt medical attention.

4.2 Most important symptoms & effects (Acute & Delayed)

Symptoms / Injuries	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.
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4.3 Indication of any immediate medical attention or special treatment required

Treat Symptomatically

SECTION 5: Fire Fighting Measures

5.1 Extinguishing material

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

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 fire-fighters

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

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

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

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 & 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.
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6.4 References to other sections

PPE - Section 8. Waste Disposal - Section 13.

SECTION 7: Handling & 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)		Short Exposure		Long Exposure	
Identification		Systemic	Local	Systemic	Local
Yellow Beeswax	Oral	N/A	N/A	N/A	N/A
CAS – 8006-40-40	Dermal	N/A	N/A	N/A	N/A
EC: 232-383-7	Inhalation	N/A	N/A	N/A	N/A

DNEL (Populations)		Short Exposure		Long Exposure	
Identification		Systemic	Local	Systemic	Local
Yellow Beeswax	Oral	N/A	N/A	N/A	N/A
CAS – 8006-40-40	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		N/A
CAS – 8006-40-40	Sol	N/A	Marine Water		N/A
EC: 232-383-7	Intermittent	N/A	Sediment (Fresh Water)		N/A
	Oral	N/A	Sediment (Marine Water)		N/A

8.2 Exposure Controls

Protective equipment

Appropriate engineering controls

Hand protection

Eye protection

Skin and body protection

Respiratory protection



Provide adequate ventilation, including appropriate local extraction, to ensure that the defined exposure limit is not exceeded.

No special precautions other than protection from splashing or contact with molten material.

Safety glasses, chemical goggles (if splashing possible).

Heated wax should be handled with caution and suitable protective clothing worn.

Adequate ventilation

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SECTION 9: Physical & Chemical Properties

9.1 Physical & Chemical Properties

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

9.2 Other Information

SECTION 10: Stability & 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
Skin corrosion / irritation	No irritating effect
Serious eye damage / irritation	No irritating effect
Respiratory or skin sensitisation	No sensitizing effects known
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity (single exposure)	No data available
Specific target organ toxicity (repeated exposure)	No data available
Aspiration hazard	No data available

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SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence & degradability

No data available

12.3 Bio- accumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT & VPVB assessment

Not classified as PBT/vPvB by current EU criteria

12.6 Other adverse effects

None Known

SECTION 13: Disposal Information

13.1 Waste treatment methods

Ecology – waste materials
European waste catalogue

Uncleaned packaging

Recommendation: Smaller quantities can be disposed of with household waste.
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

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 No information required

IMDG No information required

IATA No information required

14.2 UN Proper Shipping name

ADR/RID No information required

IMDG No information required

IATA No information required

14.3 Transport hazard class(es)

ADR/RID No information required

IMDG No information required

IATA No information required

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14.4 Packing group

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

14.5 Environmental hazards

ADR/RID	No information required
IMDG	No information required
IATA	No information 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 Product specific safety, health & environmental regulations & legislation

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

Full INCI listing: Cera Flava

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.