



CERTIFICATE OF ANALYSIS

Product: Soya Wax
Product Code: WAXSOYA
Batch: 4432611
Date of Manufacture: MAY 2023
Expiry Date:

<u>Test</u>	<u>Method</u>	<u>Result</u>	<u>Specification</u>
Colour Red	AOCS Cc 13j-97	0.5	1.5 max.
Free Fatty Acids as oleic (282)	AOCS Ca 5a-40	0.04	0.15 % max.
Peroxide Value	AOCS Cd 8b-90	0.06	1.5 meq/kg max.
Iodine Value	AOCS Cd 1-25	54.63	50-56 cg/g
Mettler Dropping Point	AOCS Cc 18-80	127.9	124 - 130.0 °F

The above batch meets the product specification completely



PRODUCT DATA SHEET

Soya Wax

PRODUCT DESCRIPTION AND COMPOSITION	
Product Name	Soya Wax
Shelf Life	36 months from date of manufacture
INCI	Hydrogenated Soybean Oil
CAS	8016-70-4
Material Origin	Natural – Plant/Vegetable
Country of manufacture/origin	EU
Recommended Storage Conditions	≤35°C, dry, and out of direct sunlight. Remain sealed where possible
Vegetarian / Vegan friendly	Yes / Yes
Palm free	Yes
Halal	Yes
Kosher	Yes
Description	Nature Wax C-3 3433 is a creamy white soy wax that provides excellent glass adhesion, low shrinkage, and great burning qualities. Compatible with oil soluble liquid or powder dyes, and fragrance can be added up to 8%. Ingredient is listed on the EC Cosmetic Ingredients database and can function as an effective emollient in cosmetic applications.

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 (COLIPA recommendation no.14)	Not Applicable
REACH	
REACH (EC 1907/2006)	Exempt from registration (Annex V)
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	
California Proposition 65 (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

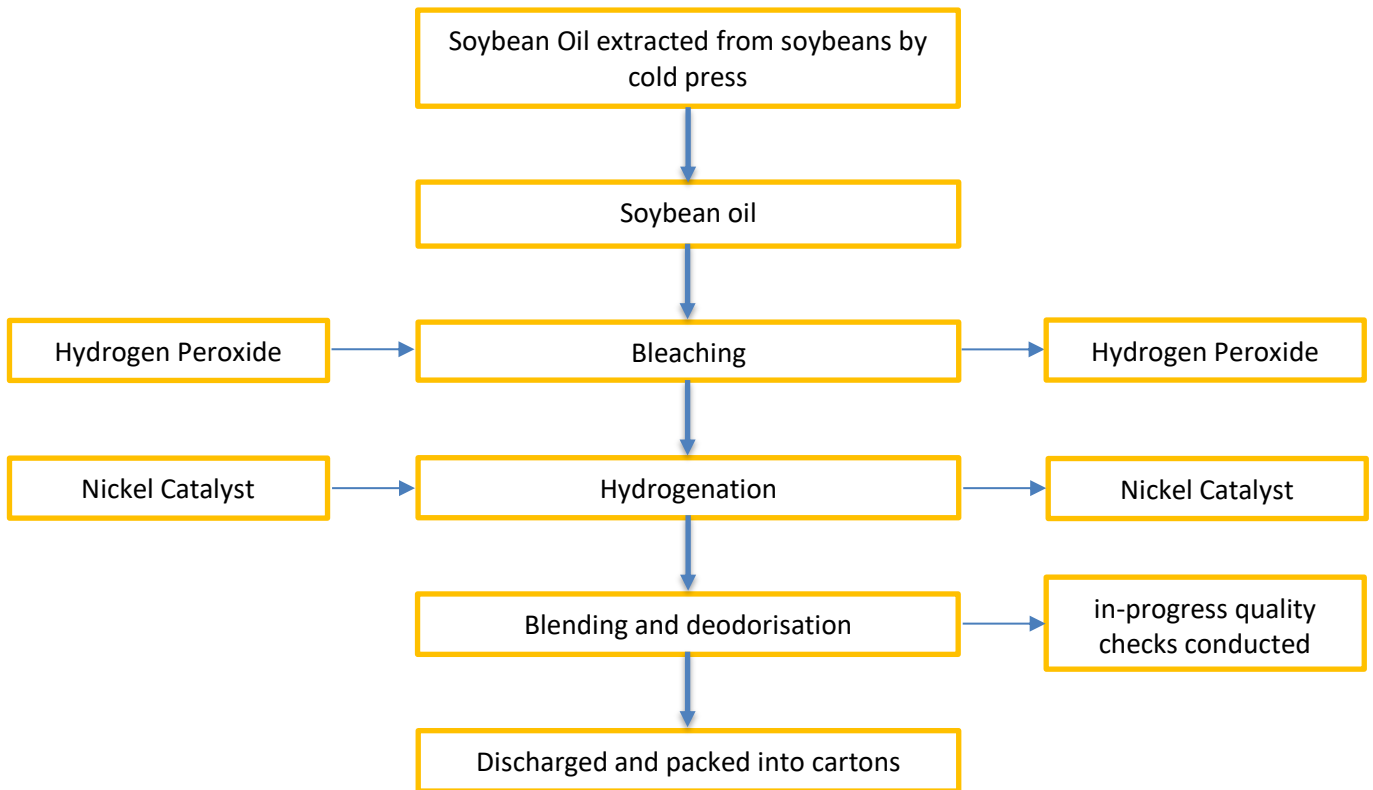
IMPURITIES	
Residual Solvents (ICH Q3C)	Class 1, 2 or 3 solvents are not used to manufacture this product, and as such are not expected to be present in concentrations exceeding those stated in the current ICH Q3C guideline* Specific data is not available.
VOC	Not expected to be present* Specific data is not available.
Heavy Metals	With the exception of Nickel (which is removed during the manufacturing process), neither Heavy Metals nor heavy metal catalysts are used to manufacture this product, and as such are not expected to be present in concentrations exceeding unavoidable trace levels*
Conflict Minerals (Dodd-Frank wall street reform & consumer protection act)	Not expected to be present* Specific data is not available.

TOXICOLOGY	
BSE/TSE free	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).
GMO	This product is produced with non-IP (identity-preserved) soybean oil (GM). Although GM soybean oil is used in the manufacturing process, no genetic material was detected in the final product.
Irradiation	This product has not been irradiated.
Absence of pathogenic microorganisms	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 Soya Wax



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MATERIAL SAFETY DATA SHEET
SOYA WAX

IDENTIFICATION OF THE SUBSTANCE/PREPARATION & COMPANY

1.

- 1.1 Product Identifier** Product name: Naturewax C-3 (PHC 3433)
REACH registered name: Exempt Annex V
REACH registered No: CAS number: 8016-70-4
EC number: 232-410-2
- 1.2 Use of substance** Intended uses: Cosmetic, Industrial, Personal Care and Technical as a raw material for further processing.
Uses advised against: Madar Corporation Limited
19 - 20 Sandealth Industrial Estate
Fordingbridge
- 1.3 Supplier Details**
Name: SP6 1PA
Address:
Phone Number: +44 1425 655555 (Monday - Friday 09.00-16.00)
Email: technical@madarcorporation.co.uk
- 1.4 Emergency Number** +44 1708 526828 (Monday - Friday 08.00-17.00)

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
Soybean oil, hydrogenated	8016-70-4	232-410-2	Exempt Annex V

3.2 Mixtures Not applicable



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

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

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.

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

6.3

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

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

TWA TLV (ACGIH):	No data available
DNEL:	No data available
PNEC:	No data available
PEL:	5 mg/m ³ (respirable fraction), 15 mg/m ³ (total particulate)
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). None needed under normal conditions. If direct contact for more than 2 hours then Neoprene or nitrile gloves recommended.

Skin protection: None needed under normal conditions and adequate ventilation.

Respiratory protection: Thermal hazards only applicable when material is heated. Use appropriate heat resistant gloves.

Thermal Hazards: See sections 6, 7, 12 and 13.

Environmental Exposure Controls:

PHYSICAL & CHEMICAL PROPERTIES

9.1 Information on basic chemical and physical properties

Appearance:	Liquid (at elevated temperature) Solid (at ambient temperature) Typical
Odour:	No data available
Odour Threshold:	No data available
pH:	124-130°F (51.1-54.4°C)
Melting point:	No data available
Initial boiling point/range:	
Flash point:	>600°F (>315°C) No
Evaporation rate:	data available No
Flammability (solid, gas): Explosion Limits:	data available No
Vapour pressure:	data available No
Vapour density:	data available No
Relative density:	data available
Solubility in water:	0.920-0.925 Insoluble
Solubility in other solvents: Partition coefficient n-octanol/water:	No data available No
Auto-ignition temperature: Decomposition temperature:	data available No
Viscosity (Kinematic, at 100°C): Explosive properties:	data available No
Oxidizing properties:	data available No

9.2 Other information

No data available

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.

Incompatible materials

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

Hazardous decomposition products

10.6



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

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

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

Serious eye damage/eye 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.

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

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

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.

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

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.



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
V4	15/09/2016	Reach classification added to description
V5	25/01/2021	Product names updated

Abbreviations & Acronyms:

ACGIH:	American Conference of Governmental Industrial Hygienists Chemical Abstract
CAS No:	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 European
ELINCS:	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

SOYA WAX

Drop Point (AOCS Cc 18 - 80)	51.1 – 54.4°C
Peroxide Value (AOCS Cc 89 -90)	1.5 meq/Kg max.
FFA (AOCS Ca 5a – 40)	0.15% max.
Colour (AOCS Cc 13j – 97)	1.5 max.
Product form	Flakes
Packaging	22.68Kg – cartons

Please ask for our production notes leaflet for further details

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

Issue no.4