

SAFETY DATA SHEET SOYA WAX

According to Regulation (EU) No 453/2010

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name SOYA WAX
Product No. M324A, M324B, M329A, M329B

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

Identified uses An alternative to paraffin wax for use in candle making or batik.

1.3. Details of the supplier of the safety data sheet

Supplier Specialist Crafts Ltd
Hamilton House
Mountain Road
Leicester
LE4 9HQ
Tel: 0044 (0) 116 269 7711
Fax: 0044 (0) 116 269 7722
purchasing@speccrafts.co.uk

1.4. Emergency telephone number

0044 (0)116 2697711
08:30 - 17:00 Monday to Friday

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Not classified.

Human health

The product is not classified as hazardous to health.

Environment

The product is not classified as hazardous to the environment.

Physical and Chemical Hazards

Molten wax can cause skin burns and if in contact with the eyes whilst in the molten state may cause serious eye damage.

2.2. Label elements

Risk Phrases	NC	Not classified.
Safety Phrases	NC	Not classified.

2.3. Other hazards

Not Classified as PBT/vPvB by current EU criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

SOYA WAX

A BLEND OF SATURATED AND UNSATURATED VEGETABLE LIPIDS

60-100%

Classification (EC 1272/2008)
Not classified.

Classification (67/548/EEC)
Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

The molten product can cause serious burns.

Inhalation

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

Do not induce vomiting. Get medical attention if any discomfort continues.

Skin contact

Wash skin with soap and water. Get medical attention promptly if symptoms occur after washing. Molten wax will cause skin burns. Molten wax: Flush skin with cold water to cool as quickly as possible. Cover with clean cotton or gauze. Do not attempt to remove wax from burn as this can result in tissue loss. Get medical attention immediately!

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. Molten wax will cause burns and possibly permanent damage. Rinse with cool water to dissipate heat. Do not try to remove wax. Get medical attention immediately. Continue to rinse.

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

Inhalation

Not considered to be a health hazard via this route, under normal usage conditions.

Ingestion

Not considered to be a health hazard via this route, under normal usage conditions. May cause discomfort if swallowed.

Skin contact

Not considered to be a health hazard via this route, under normal usage conditions.

Eye contact

Not considered to be a health hazard via this route, under normal usage conditions. Particles in the eyes may cause irritation and smarting. Molten wax will cause burns and possibly permanent damage.

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

The severity of the symptoms described will vary dependant of the concentration and the length of exposure. This material is normally handled in a molten state at a temperature of around 60°C, and may cause skin burns from splashes. To avoid damage to the skin, no attempt should be made to remove wax which is firmly adhered to the skin. The area should be cooled immediately under running water for up to 10 minutes. In the case of circumferential burns, splitting of the wax ring may be considered to prevent a tourniquet effect. Medical attention may be required.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire, or over-heating, irritating fumes and vapours may be formed. During fire, toxic gases (CO, CO₂) are formed.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

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Specific hazards

In case of fire, or over-heating, irritating fumes and vapours may be formed. During fire, toxic gases (CO, CO₂) are formed.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. The molten product can cause serious burns.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8. Beware, product is molten at elevated temperatures (around 60°C).

6.2. Environmental precautions

Prevent entry into drains. Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

If in solid state - pick up.

If in molten state, where possible allow to cool (harden), and then pick up. DO NOT TOUCH MOLTEN PRODUCT. If it is not possible to allow molten product to cool, the product may be absorbed onto sand or active clay, and collected. Recover and reclaim or recycle, if practical.

6.4. Reference to other sections

For personal protection, see section 8. See section 11 for additional information on health hazards. Collect and dispose of spillage as indicated in section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. Avoid contact with skin. Avoid inhalation of vapour, mist or fumes. Do not wear contaminated clothing. Recommended handling temperature is 50-70°C. Wash hands after handling.

Molten wax can cause skin burns and if in contact with the eyes whilst in the molten state may cause serious eye damage.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry and cool place. Avoid heat.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Ingredient Comments

No exposure limits noted for ingredient(s).

8.2. Exposure controls

Process conditions

Consider availability of access to water for use in the event of molten product burns.

Engineering measures

Provide adequate ventilation.

Hand protection

No specific hand protection noted, but gloves may still be advisable, and are recommended when working with hot and / or molten material. Consider glove effectiveness at elevated temperatures when handling molten product. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection

Eye protection is recommended when handling the molten product, and where splashing is probable.

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Hygiene measures

Wash hands after handling. When using do not eat, drink or smoke. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated.

Environmental Exposure Controls

Keep container tightly sealed when not in use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Waxy
Colour	White / off-white.
Odour	Not noted.
Solubility	Insoluble in water
Initial boiling point and boiling range (°C)	>300°C @ 760 mm Hg
Melting point (°C)	40 - 60°C @ 760mm Hg
Relative density	0.88 - 0.92 @ 15°C
Vapour density (air=1)	Not determined.
Vapour pressure	Negligable @ 20°C
Evaporation rate	Not determined.
pH-Value, Conc. Solution	Not relevant
Viscosity	Not relevant
Decomposition temperature (°C)	Not determined.
Odour Threshold, Lower	Not determined.
Odour Threshold, Upper	Not determined.
Flash point (°C)	> 150°C OC (Open cup). (ASTM D92, COC)
Auto Ignition Temperature (°C)	> 200°C
Flammability Limit - Lower(%)	Not determined.
Flammability Limit - Upper(%)	Not determined.
Partition Coefficient (N-Octanol/Water)	Not relevant
Explosive properties	Not considered to be explosive.
Oxidising properties	Not relevant

9.2. Other information

Not determined.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Possibility of reaction with: Strong oxidising agents. Especially at high temperatures.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

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Not known.

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

Heating will cause product to become molten.

10.5. Incompatible materials

Materials To Avoid

Strong oxidising substances.

10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:

Acute Toxicity (Oral LD50)

Not determined.

Acute Toxicity (Dermal LD50)

Not determined.

Acute Toxicity (Inhalation LC50)

Not determined.

Skin Corrosion/Irritation:

Based on available data the classification criteria are not met. Molten wax will cause skin burns.

Serious eye damage/irritation:

Based on available data the classification criteria are not met. Molten wax will cause burns and possibly permanent damage.

Respiratory or skin sensitisation:

Based on available data the classification criteria are not met.

Germ cell mutagenicity:

Based on available data the classification criteria are not met.

Carcinogenicity:

Based on available data the classification criteria are not met.

Reproductive Toxicity:

Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure:

Not classified as a specific target organ toxicant after repeated exposure.

Toxicological information on ingredients.

A BLEND OF SATURATED AND UNSATURATED VEGETABLE LIPIDS

Acute toxicity:

Acute Toxicity (Oral LD50)

> 2000 mg/kg Species not specified.

This value is derived from studies on related substances (base oils and waxes).

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

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Ecological information on ingredients.

A BLEND OF SATURATED AND UNSATURATED VEGETABLE LIPIDS

Acute Fish Toxicity

Not considered toxic to fish.

12.2. Persistence and degradability

Degradability

The product is not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential

Bioaccumulation is unlikely to be significant because of the low water solubility of this product.

Partition coefficient

Not relevant

12.4. Mobility in soil

Mobility:

The product is insoluble in water.

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

Recover and reclaim or recycle, if practical. Dispose of waste and residues in accordance with local authority requirements. European Waste Catalogue No. 05 01 99 - Wastes not otherwise specified 13 08 99 - Wastes not otherwise specified.

SECTION 14: TRANSPORT INFORMATION

General

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

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Transport Labels

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

Not applicable.

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

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Comments

This is first issue.

Revision Date 12-2012

SDS No. 1239

Risk Phrases In Full

NC Not classified.