



PRODUCT SAFETY DATA SHEET

Product Dossier: NATURAL FILM WAX

Formula Code / Formula Description / Language

F00221_R / NATURAL FILM WAX / English

1. Substance or Producer Identification

Product Data

Description : NATURAL FILM WAX

Description in language : NATURAL FILM WAX

2. Hazard Indications

This product is used in the molten state, optimally at 65 - 75°C, at these temperatures this product has a high latent heat and consequently may cause burns to the eyes and skin.

Short Term Exposure: No effects known on humans from discontinuous short-term exposure.

Long Term Exposure: Prolonged or repeated skin contact may cause slight irritation or sensitization in sensitive subjects. Overheating may cause burns.

3. Material Composition/Information

Product Nature

Solid wax blocks or pellets.

Product Description/Typology

Mixture of rosin and rosin esters with natural, synthetic and mineral waxes.

Other Information

Codes INCI-EU Name % w/w

CAS Number COLOPHONIUM <50 %

8050-09-7

EINECS Number

232-475-7

CAS Number ESTER ROSINATE 20-50%

8050 - 31 - 5

EINECS Number

232 - 482 - 5

CAS Number ETHYLENE/VA COPOLYMER 5-10 %

24937-78-8

CAS Number PARAFFIN 5-10%

8002-74-2

EINECS Number

232-315-6

CAS Number HYDROGENATED COCONUT OIL 1-5%

84836-98-6

EINECS Number

284-283-8

4. First Aid Actions

Eyes Contact

Irrigate with water for at least 15 minutes. Remove contact lenses for better cleansing. If necessary consult a doctor.

Skin Contact

Wash off immediately with plenty of soap and water. If necessary dissolve product with mineral oil. If necessary consult a doctor.



**Ingestion**

Rinse out mouth with water. Drink large quantities of water. Call a doctor. Never give anything by mouth to an unconscious person.

Inhalation

Remove to fresh air. treat any irritation symptomatically. If necessary consult a doctor.

5. Fire Fighting Procedures

Conditions to Avoid: Avoid flammable vapours when removing shrink-wrap film from pallets, since these may ignite due to static electricity. Avoid overheating, especially by direct contact with naked flames. Avoid static build-up when emptying packaging.

Danger Signs: Excessive fumes from overheating the wax.

Fire Fighting Measures: Fight the fire using water spray, sand, dry powder, carbon dioxide or foam. Cool containers by spraying with water.

Protective Equipment: Impervious gloves. Use goggles. Good ventilation should be sufficient to control airborne levels.

Combustion Products: Carbon monoxide, carbon dioxide, aldehydes and smoke.

6. Spill/Leak Procedures

Protective Equipment: Impervious gloves. Use goggles. Good ventilation should be sufficient to control airborne levels.

Spillage: This product represents little hazard to humans since this material is regarded as not being acutely toxic.

Sweep up the resin for use or place in a container for disposal.

7. Handling and Storing Standard

Handling: Handle in a well ventilated area. The conditions of this product should be examined to try reduce the aerial concentration.

Storage: Product should be stored, in a clean well ventilated area. Keep away from heat, sparks and other sources of ignition. No smoking. The product is prone to slow oxidation and it is recommended that it be used on a first-in first-out basis.

Packaging Material to Avoid: None. The packaging material should have reasonable moisture and air barrier properties.

8. Exposure Control Procedures/Protective Measures**Respiratory Ways**

Good ventilation should be sufficient.

Eyes

Use goggles.

Hands

Impervious gloves.

Skin

Protective work clothing.

Other Information

Engineering Controls: Handle in a well ventilated area. Normal industrial hygiene measures should be sufficient.

9. Chemical & Physical Characteristics**Physical status**

Solid mass waxy

Colour

YELLOW HONEY

Odour

Pine tree resin slight

Analysis Value

Drop point 42°C

Bulk density ASTM D 1298 1.02

Flash point <170°C

Melting range 65 - 75°C

Microbiological Characteristics

Not relevant.





Other Information

Solubility: Negligible in water. Soluble in most aliphatic, aromatic and halogenated hydrocarbons and esters and ketones.

10. Stability and Reactivity Data

Stability: This product is chemically stable.

Reactivity: This product has limited chemical reactivity. No hazardous chemicals are known to be formed during use of this product. This product may react with oxidizing agents. Uncontrolled reaction may lead to a fire/explosion.

11. Toxicological Information

Other Information - Sensitizing Power

Dermal.

Based on our experiences we have concluded that this product may be a low order sensitizer on a small percentage of individuals who have adverse reaction against Rosin (Colophonium) if the skin exposure is sufficiently intimate and the duration of exposure is sufficiently long.

Consumer application that involve intimate contact should be evaluated by appropriate testing.

Eyes.

This product should be regarded as a slight primary irritant.

Oral.

Not determined. Based on similar products, the expected LD50 is > 2000 mg/kg.

Inhalation.

Noxious fumes may be released on overheating this product.

The thermal decomposition of these vapours at about 400 °C may give rise to products which, if not ventilated adequately, could cause astmatic attacks in a small percentage of exposed workers.

12. Information about Ecological Effects

Acute Bacterial Cell Multiplication Inhibition Test:

No toxicity threshold value could be determined due to its water insolubility. When similar resins were made into homogeneous suspensions, their toxicity threshold values were between 2200 and 8000 mg/l for Pseudomonas putida.

Acute Fish Toxicity:

LC50 is > 1000 mg/l. (based on similar product)

Biodegradability:

Based on test on similar products it is expected that this product cannot be regarded as readily biodegradable in the Modified Sturm Test. However, it will be very slowly biodegradable.

WGK Classification:

1 (self-classification)

13. Disposal Advice

Disposal by controlled incineration or by dumping in an approved landfill area according to local regulations.

14. Transportation Data

UN Number None

IMO Classification None

ADR Classification None

IATA Classification None

15. Regulatory Information

Contains

EC labelling The product is classified and labelled according to the Cosmetics Directive 76/768/EEC.

Risk Phrases None

Safety Phrases None

Other Information

The product falls within the scope of the Cosmetic Directive 76/768/EEC.

Cosmetic products are not subject for labelling and classification of the Dangerous Preparations Directive 88/379/EEC.

16. Other Information

The information is based on our current knowledge to date and is intended to describe the product with regard to safety precaution to be taken. It does not constitute an assurance of properties in the legal sense.





Therefore, We make no warranty, express or implied, regarding the accuracy of the data. Health and safety precautions may not be adequate for all individuals. It is the user's obligation to make certain that this safety data sheet is the most current for the product; to evaluate the information contained in this sheet in connection with the uses to which the product is to be put in the workplace and to use the product safely in accordance with applicable laws and regulations. We assume no responsibility for injury from the use of the product described in a way different from that provided in the label directions.

