

Product Safety Data Sheet

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-----Product and Company Information-----

Product Name BRAZILIAN WAX
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-----1.Material Composition/Information-----

Product Nature

Solid wax.

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 8050-09-7 EINECS Number 232-475-7	Colophonium	25 - 50 %
CAS Number 8050-31-5 EINECS Number 232-482-5	Glyceryl Rosinate	10 - 25 %
CAS Number 24937-78-8 EINECS Number	Ethylene/VA Copolymer	10-25%
CAS Number 13463-67-7 EINECS Number 236-675-5	CI 77891	0-1 %
CAS Number 65997-13-9 EINECS Number 266-042-9	Glyceryl Hydrogenated Rosinate	5-10%

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CAS Number 8002-74-2 EINECS Number 232-315-6	Paraffin	1-5 %
CAS Number 8050-15-5 EINECS Number 232-476-62	Methylene Hydrogenated Rosinate	1-5%
CAS Number 84836-98-6 EINECS Number 284-283-8	Hydrogenated Coconut Oil	1 - 5 %
CAS Number EINECS Number	C30 Alkyl Modified Polysiloxane	1 - 5%
CAS Number 7787-59-9 EINECS Number 232-122-7	CI 77163	0.1-1 %

-----2. Hazard Indications-----

Short Term Exposure: No effects known on humans from discontinous 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. 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 symptomaticly. If necessary consult a doctor.

-----4. 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.

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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.

-----5. 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.

-----6. 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 recommende that oit 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.

-----7. Exposure Control Procedures/Protective Measures-----

RespiratoryWays

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.

-----8. Chemical & Physical Characteristics-----

Physical status

Colour

Odour

Paste semisolid

ivory

Pine tree resin slight

Density

1.020000

Microbiological Characteristics

Not relevant.

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Other Information

Density @ 25 °C: 1.02

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

Flash point: > 170 °C Softening point: 42 °C Melting point: 65 - 75 °C

-----9.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.

-----10. 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.

-----11. 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)

