

Cargill NatureWax[®] Coconut 1 vegetable wax

Product Description

NatureWax[®] Coconut 1 vegetable wax is hydrogenated coconut glycerides and substitute for paraffin in wax applications. NatureWax[®] Coconut 1 vegetable wax contains no ingredients with an animal or mineral/petroleum origin.

Applications

- Scented Containers
- Softener for pillars

Other: paper cup coatings, stationery pencils, color pencils, ink ribbons, mold lubricant, textile finishes, sizing, cord lubricant, metal lubricant, adhesives, thermoplastics resin additive, leather dressing, crayons.

Advantages

NatureWax[®] Coconut 1 vegetable wax tend to help with Glass adhesion.

Typical Properties

CHEMICAL & PHYSICAL ANALYSIS ¹	MINIMUM	MAXIMUM	UoM	METHOD
Color Red	-	1.5	-	AOCS Cc 13j-97
Free Fatty Acids as Oleic (282)	-	0.05	%	AOCS Ca 5a-40
Peroxide Value	-	1	meq/kg	AOCS Cd 8b-90
Mettler Dropping Point	94	100	°F	AOCS Cc 18-80

¹Note: The specification for quality is final at loading. Cargill reserves the right to use internal analytical methods that follow the international reference methods.

Packaging, Storage, and Handling

Bulk Product

Bulk oils should be stored and shipped under controlled conditions to protect from light and moisture, maintain correct temperature and with nitrogen blanket. Storage conditions should be maintained so to minimize the impact of the following four (4) causes of degradation:

1. Heat – The oil should ideally be held between 60-100°F for oils that are liquid at room temperature and 15-25°F above the melting point for oils that are solid at room temperature.
2. Exposure to oxygen – Oxidative deterioration is the main cause for stability problems. Ways to minimize exposure to oxygen are:

PRODUCT DATA

- Be sure oil does not free-fall into tank, i.e., fill from the bottom or have a downspout from the top to below the surface.
 - If a recirculation system is used, be sure there are no air leaks around flanges, pump seals, etc.
 - Only recirculate the oil long enough to maintain a homogeneous mixture, i.e., the more it is mixed, the greater the chance of deterioration.
 - If the oil is to be held for extended periods of time (over three weeks), nitrogen blanketing the tank is recommended.
3. Light – Light can cause deterioration of liquid wax and measures should be taken to minimize this exposure. This is only a problem in fiberglass tanks that are exposed to direct sunlight or indoor lighting — steel or insulated tanks do not usually have light exposure problems.
4. Trace metals – Trace metals such as copper and iron are extremely pro-oxidant and care should be taken to avoid any places where these substances might be introduced to the oil. Things to avoid are any fittings or valves that are constructed of copper or brass.

Packaged Product

For ease of use, store at 65–85°F. Protect from extreme heat and cold; prolonged storage at temperatures over 90°F or under 40°F should be avoided.

Shelf Life

Bulk Product

Typical bulk storage period or “shelf-life” of oils and shortenings held in bulk is three to four weeks under controlled conditions — protected from light and moisture, at the correct temperature and under nitrogen blanket.

Packaged Product

18 months from date of pack, for unopened boxes stored cool, dry and out of direct sunlight. Re-testing towards the end of the anticipated shelf-life may permit it to be extended. Please request assistance if this is required.

Environmental and Safety

NatureWax® Coconut 1 vegetable wax is a non-hazardous* and biodegradable† material. For more information on its environmental and regulatory status, please request our Safety Data Sheet.

Additional Information

Bio-Engineered Status

NatureWax® Coconut 1 vegetable wax is listed above are produced from coconut. There are no commercially available varieties of coconut that have been genetically modified (“GM”) via recombinant DNA. The product(s) are processed in manufacturing/packaging facilities that also process and/or package products that are derived from crops that have been genetically modified via recombinant DNA. Qualitative PCR test results of the product(s) have been ND (non-detectible). Further information is available upon request.

If you have further questions do not hesitate to **reach out to your local representative.**

*NatureWax® Coconut 1 vegetable wax is considered non-hazardous according to regulation US OSHA 29 CFR 1910.1200.

†NatureWax® Coconut 1 vegetable wax is biodegradable.

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