

# Cargill NatureWax<sup>®</sup> Elite 200 vegetable wax

## Product Description

NatureWax<sup>®</sup> Elite 200 vegetable wax is a proprietary blend of hydrogenated vegetable glycerides (vegetable waxes) with non-hazardous ingredients.

## Applications

- Scented containers
- Softener for pillars

## Advantages

- Better fat bloom resistance than other waxes
- Holds high levels of fragrance without fat bloom or syneresis

## Typical Properties/Physical Properties

CHEMICAL & PHYSICAL ANALYSIS	MINIMUM	TYPICAL	MAXIMUM	UOM	METHOD
Color Red		Off White			Visual
Mettler Dropping Point	125	130	135	°F	AOCS Cc 18-80

## Additional Information

### Other Possible Uses

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.

### Bio-Engineered Status

NatureWax<sup>®</sup> Elite 200 contains ingredients that come from palm. There are no commercially available varieties of palm that have been genetically modified (“GM”) via recombinant DNA. NatureWax<sup>®</sup> Elite 200 also contains ingredients that come from non-identity preserved soybeans. Although genetically-engineered soybeans are used to produce our products, qualitative PCR test results for our NatureWax<sup>®</sup> products have been ND (non-detectible). Further information is available upon request.

## Packaging, Storage, and Handling

NatureWax<sup>®</sup> products are available in different formats depending on their origin. Please contact us for details.

## PRODUCT DATA

### 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:
  - 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 when using, store at 65-85°F. Protect from extreme heat and cold (temperatures over 90°F and under 40°F).

## 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

365 days from Date of Pack. Testing toward end of anticipated shelf-life may suggest that shelf-life may be extended. Please request assistance if this is required.

## Environmental and Health

NatureWax® Elite 200 vegetable wax is a non-hazardous\* and biodegradable† material. For more information on its environmental and regulatory status, please request our Safety Data Sheet.

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

\* NatureWax® Elite 200 vegetable wax is considered non-hazardous according to regulation GB 13690-2009

† NatureWax® Elite 200 vegetable wax is biodegradable based on testing results of similar substances.

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