

FINAWAX-E

CHEMICAL DESCRIPTION : Erucamide

FINAWAX-E is a refined Vegetable Oil based – Erucamide. FINAWAX-E is an excellent Slip Agent and a good Antiblocking agent for Polyolefins.

CAS NUMBER : 112-84-5

SPECIFICATIONS :

| | |
|------------------|--------------|
| Appearance | : Beads |
| Colour (Gardner) | : 2.0 max |
| Amide Content | : 98.0 % min |
| Iodine Value | : 70 – 85 |
| Acid Value | : 1.0 max |
| Melting Point°C | : 83 ± 5°C |
| Moisture | : 0.25 max |

(Above specifications are our standard specifications. Changes in these specifications can be done on request from customers to suit their requirements.)

APPLICATIONS : When FINAWAX-E is mixed with polymer, it reduces friction between the polymer and processing equipment and also between the polymer to polymer inter-surfaces

Due to its migration, a thin film of FINAWAX-E is formed on the surface of the finished product and this provides the slip effect and antiblock performance

FINAWAX-E (Erucamide) has lower volatiles and better high temperature performance than FINAWAX-O (Oleamide). This makes it particularly more useful for PP films applications because FINAWAX-E allows higher processing temperatures

The longer carbon chain of Erucamide causes a delayed and reduced migration in comparison to Oleamide, which is a required property, if printing or sealing is carried out directly after processing the film

USE LEVEL : PE - 0.05 to 0.3%
PP - 0.05 to 0.3%

SHELF LIFE : The quality of FINAWAX-E is expected to be within specified limits for 12 months from the date of production, when stored under prescribed conditions.

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: 2 :

STORAGE

: It is suggested to store FINAWAX-E in a cool and dry place.
Prolonged storage above 35°C can cause caking

FOOD APPROVALS: FINAWAX-E is cleared for use in articles for indirect food contact by US FDA under CFR 21 under the following Para.

CER 21 § 175.10 components of adhesive CFR 21 § 175.300 components of resinous and polymeric coatings CFR 21 § 176.180 components of paper and paperboard in contact with dry food CFR 21 § 177.1210 components of closure and sealing gaskets for food containers CFR 21 § 177.3860 components of polymeric resins that contact food CFR 21 § 179.43 component of packaging material during radiation preservation of pre-packaged food

Some of the food contact approvals are :

EU : Erucamide is fully REACH registered

Erucamide is listed in EU Directive 2002/72/EC without limitations. It is approved in EU at a harmonized level. Single States legislations applicable to individual has been no longer valid since 1999.

| | | |
|-----------|--------------------|------------------------|
| Australia | : AS 2070/1/01 | 0.2% (in PE and PP) |
| Japan | : PE and PP | 1.0% |
| | PS, HIPS, SAN, ABS | 0.1% |
| | Utensils | 2.0% |

TOXICO-LOGICAL DATA

| | |
|--------------------------|----------------------|
| : Oral LD 50 | rat>2000 mg/kg. |
| Skin Irritation : rabbit | Minimally irritating |
| Eye Irritation : rabbit | Minimally irritating |

PACKING

: The standard packing is 25 kg. nett bag. The bags are made of PE laminated with paper on the outer-side and with poly-liner inside. We also supply FINAWAX-E in 25 kg. nett. in a PE bag. A pallet carries 600 kg. nett. (24 bags)

(The recommendations in this bulletin are made without guarantee since the conditions of use are beyond our control. Users should make their own tests depending on machinery available and desired properties.)

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