

Fatty Amide (Erucamide)

PRODUCT INFORMATION

KEMAMIDE® E-EXPORT

Product Description

Kemamide® E Export fatty amide is an unsaturated fatty primary monoamide, derived from vegetable source erucic acid. It exhibits color stability on exposure to light and air and is resistant to dilute acids and bases. Export means it is packaged in metric units on CP3 pallets. This product is available in bead, pellet or powder form.

Applications

Kemamide® E Export fatty amide the additive choice for applications requiring good slip and antiblock properties. It can be used as a slip agent in polyethylene and polypropylene films, lubricant in polyvinyl chloride, mold release agent, dyestuff dispersant for printing inks and surface coatings, and a blending agent for polyamide resins.

Product Specifications

Properties	Specification
Gardner Color (1963)	0.0 – 2.0
Water	0.00 – 0.25
Closed Tube Melt Point °C	76.0 – 86.0
Amide	98.0 - 100

Additional Properties

Properties	Specification
GLC-C22:1 (Erucic Content)	80.0 – 86.0
Acid Number	0.00 – 1.00
Iodine Value	70.0 – 80.0
Nitrile	0.00 – 0.20

PRODUCT INFORMATION

KEMAMIDE® E-EXPORT

Solubility

Kemamide® E Export fatty amide is relatively insoluble in water. In oxygenated organic solvents at ambient temperatures, it is soluble to levels of up to 10% by weight.

FDA Status

Kemamide® E Export fatty amide is sanctioned by the U.S. Food and Drug Administration (FDA) under Title 21 of the *Code of Federal Regulations* (21 CFR) These use clearances are indicated in the following sections:

In adhesives	175.105
In can end cements (resinous and polymeric coatings)	175.300
As a component of paper and paperboard brought in contact with dry foods	176.180
In closures with sealing gaskets for food containers	177.1210
For use in water-insoluble hydroxyethyl cellulose film	177.1400
For use as a release agent in petroleum wax and polymeric resins that contact food	178.3860
In packaging materials for use in the radiation preservation of prepackaged food	179.45

This FDA status information is intended to provide an overview only and is not intended to be an alternative to reading the FDA regulations. The above CFR sections should always be consulted for the complete context before any conclusion is made as to the allowed regulated use.

PRODUCT INFORMATION

KEMAMIDE[®] E-EXPORT

BgVV Status

Kemamide E fatty amide is approved by the BgVV as follows:	Max. Content
Recommendation III (polyethylene)	0.2%
Recommendation VII (polyethylene)	0.2%
Recommendation XXX (articles based on natural and synthetic rubber that are used at consumption of food and are put into the mouth at foreseeable use, respectively (e.g, toys, air balloons, nipple of baby bottles)	0.1%
Recommendation XXXV (mixed polymerisates of ethylene, propylene, butylenes, vinyl esters and unsaturated aliphatic acids and their salts and esters)	1.0%

Safety and Handling

The Kemamide[®] fatty amide compounds are not primary skin irritants by the Draize Test (Federal Hazardous Substances Act). Avoid contact with skin and eyes.

Wear normal safety equipment such as chemical safety goggles and rubber gloves when handling Kemamide compounds. In case of accidental eye contact, flush with large amounts of water and call a physician. If swallowed, call a physician. Wash hands after handling.

The Kemamide[®] fatty amide compounds are not regulated by the Department of Transportation (DOT). They are not corrosive and not flammable by DOT definitions. However, if these products are supplied in powder form, in-process dusting should be minimized, otherwise an explosive hazard could develop. Avoid all sources of ignition when handling this product.

The Kemamide fatty amide compounds, although chemically stable, should be kept away from strong oxidizing agents. They should not remain at temperatures greater than 175-185 °C (347 - 65 °F) for extended periods of time.

Please consult the Material Safety Data Sheet for additional information on safety, handling and storage before using this product.

© 2008 PMC Biogenix, Inc.
May 2008