

# Kemamide® E-60

## Erucamide

### Description

**Kemamide® E-60** fatty amide is an unsaturated fatty primary monoamide, derived from vegetable source erucic acid.

### Applications

**Kemamide® E-60** fatty amide is the additive choice for applications requiring good slip and anti-block properties. It can be used as a slip agent in polyethylene and polypropylene films; as a dyestuff dispersant of printing inks and surface coatings; and as a blending agent for polyamide resins. The small particle size gives it exceptional dispersability in vinyl plastisols.

### Product Specifications

Properties	Specifications
Acid Number	0.00 – 1.00
Free Fatty Acid (Oleic)	0.0 – 0.5
Gardner Color (1963)	0.0 – 3.0
Amide	98.0 – 100.0
Fineness % Thru 40 Mesh	100.0 min
Fineness % On 60 Mesh	0.0 – 10.0
GLC-C22:1 (Erucic Content)	80.0 – 86.0
Closed Tube Melt Point °C	76.0 – 86.0
Water	0.00 – 0.20

### Available Form(s)

Powder

### Packaging

Bag – 44lbs (20kgs)

### Solubility

**Kemamide® E-60t** 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** 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:

Application	
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.

### EU Status

**Kemamide® E Export** may be used in food contact applications in the EU according to the provisions laid down in EU-Directive 10/2011 Annex 1 FMC substance No. 271, Ref. Number

**PMC Biogenix, Inc.**  
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Customer Service  
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52720 relating to plastic materials and articles intended to come into contact with foodstuff. No specific migration limit applies so that the generic specific migration limit is 60mg/kg food.

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**EU Status** (continued)

**Kemamide® E Export** may be used in food contact applications in the EU according to the provisions laid down in EU Regulation 2023/2006, good manufacturing practice for materials and articles intended to come into contact with food.

**Kemamide® E Export** meets the requirement of Directive 2002/95/EC on the Restriction of the Use of certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) and on waste electrical and electronic equipment (WEEE).

**Safety, Storage 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 appropriate gloves when handling Kemamide fatty amide compounds. In case of accidental eye contact, flush with large amounts of water and call a physician. If swallowed, call a physician.

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.

Although chemically stable, Kemamide Fatty amide compounds should be kept away from strong oxidizing agents. They should not remain at temperatures greater than 175-185 °C (347-365 °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. Contact PMC Biogenix, Inc. for copies of the MSDS for this product.*



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