

Kemamide® VO

Vegetable Oleamide

Description

Kemamide® VO is an unsaturated fatty primary amide, derived from vegetable sourced oleic acid. It is free from any genetically modified organism. It shows exceptional color stability on exposure to light and air compared to typical oleamides.

Applications

Most uses of Kemamide® VO fatty amide are based on its slip properties and, to a lesser degree, on its anti-block properties. It can be used as a slip agent in polyethylene and polyethylene films; as a release agent in molding and forming plastic; as a dyestuff dispersant for printing inks and surface coatings; as a cosmetic additive; as a blending agent for paraffin waxes and for polyamide resins.

Available Forms

Bead
Powder

Packaging

Fiber Drum -100lbs (45.36kgs)
Bag – 55lbs (25kgs)
Bulk Sack – 1300lbs (590kgs); 2000lbs (907kgs)

Solubility

Kemamide® VO 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.

Product Specifications

Properties	Specifications
Acid Number	0.00 – 1.00
Amide %	98.0 – 100.0
Color, Heat Stability 205°C	0.0 – 4.0
Gardner Color (1963)	0.0 – 2.0
Iodine Value	80.0 – 99.0
Water %	0.00 – 0.20
Closed Tube Melt Point °C	65.0 – 80.0

FDA Status

Kemamide® VO fatty amide is sanctioned by the U.S. Food and Drug Administration (FDA) under Title 21 of the Code of Federal Regulations (21 CFR) as indicated in the following sections:

Application	CFR
In adhesives	175.105
In can end cements (resinous and polymeric coatings)	175.300
For use in xylene-formaldehyde resins condensed with 4,4'-isopropylidenediphenol-epichlorohydrin epoxy resins	175.380
In zinc-silicon dioxide matrix coatings	175.390
As a component of paper and paperboard in contact with aqueous and fatty foods	176.170
In closures with sealing gaskets for food containers	177.1210
In ethylene-vinyl acetate copolymers	177.1350
For use in surface lubricants used in manufacturing metallic articles	178.3910
In packaging materials for use in the radiation preservation of prepackaged food	179.45
For use as a release agent in manufacturing food package materials	181.28

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

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Customer Service
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The information contained herein is correct to the best of our knowledge. Your attention is directed to the pertinent Material Safety Data Sheets for the products mentioned herein. All sales are subject to PMC Biogenix, Inc.'s standard terms and conditions of sale, copies of which are available upon request and which are part of PMC Biogenix, Inc.'s invoices and/or order acknowledgements. Except as expressly provided in PMC Biogenix, Inc.'s standard terms and conditions of sale, no warranty, expressed or implied, including warranties of merchantability or fitness for a particular purpose, is made with respect to the products described herein. Nothing contained herein shall constitute permission or recommendation to practice any invention covered by a patent without a license from the owner of the patent.

EU Status

Kemamide® VO 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. 335, Ref. Number 68960 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.

Kemamide® VO 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.

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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