

AMIDES

PRODUCT INFORMATION

Kemamide[®] VO

Fatty Amide (Vegetable Oleamide)

Product 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. This product is available in powder or bead form.

Product Specifications

Properties	Specification
Acid Number	0.0 - 1.0
Amide %	98.0 – 100.0
Water %	0.00 - 0.20
Color, Gardner (1963)	0.0 - 2.0
Iodine Value	80.0 – 99.0
Heat Stability 205°C Color Gardner(1963)	0.0 - 4.0
Closed Tube Melting Point °C	65.0 – 80.0

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

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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:

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-epichlorhydrin 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 packaging 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.

EU Food Status

2002/72/EC/PM – Reference Number
6890

Kemamide[®] VO

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 fatty compounds.

In case of accidental eye contact, flush with large amounts of water and call a physician. If swallowed, call a physician.

In normal metabolic processes, the human body absorbs amides, and uses amidases in the liver to break them down into free fatty acids and nitrogen compounds. The body then metabolizes them in a process similar to that of the breakdown of fats and proteins.

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 Safety and handling information listed above is intended to provide an overview only and is not intended to be an alternative to reading the MSDS for the product listed.

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

April 2008
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