

SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006

Version 3.1 Revision Date 03.30.2016

**Material Safety Data Sheet
Kojic Dipalmitate msds****Section 1: Identification of the Substance/Preparation and of the Company/Undertaking****Identification of the substance or preparation****1.1 Product identifiers**

| | | |
|-----------------------|---|---|
| Product Name | : | Kojic Acid Dipalmitate |
| INCI Name | : | Kojic dipalmitate |
| Brand | : | MC-KAD |
| Product Number | : | C02006S |
| REACH No. | : | A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline. |
| CAS# | : | 79725-98-7 |
| EINECS # | : | n.a. |
| Origin | : | Synthetic |

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : For cosmetic uses

1.3 Details of the supplier of the safety data sheet**M.C. Biotec Inc.**

47-505, Demin, Nanjing 226007, China

Tel: 0086-139-13923033 Fax: 0086-10-80115555 ext 441505

Email: mc@mcbiotec.com Website: www.mcbiotec.com**Section 2: Hazards Identification****2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Other hazards - none

Section 3: Composition and Information on Ingredients

- 3.1 **Substances** :
- Synonyms : 2-palmitoyloxymethyl-5-palmitoyloxy- γ - pyrone;
: Hexadecanoic acid, 4-oxo-6-[[[(1-oxohexadecyl)oxy]methyl]-4H-pyran-3-yl ester
- Formula : $C_{38}H_{66}O_6$
- Molecular Weight : 618.9
- CAS-No. : 79725-98-7
- EC-No. : --
- No components need to be disclosed according to the applicable regulations.

Section 4: First Aid Measures

- 4.1 **Description of first aid measures**
- If inhaled**
If breathed in, move person into fresh air. If not breathing, give artificial respiration.
- In case of skin contact**
Wash off with soap and plenty of water.
- In case of eye contact**
Flush eyes with water as a precaution.
- If swallowed**
Never give anything by mouth to an unconscious person. Rinse mouth with water.
- 4.2 **Most important symptoms and effects, both acute and delayed**
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
- 4.3 **Indication of any immediate medical attention and special treatment needed**
no data available

Section 5: Fire Fighting Measures

- 5.1 **Extinguishing media**
- Suitable extinguishing media**
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- 5.2 **Special hazards arising from the substance or mixture**
Carbon oxides
- 5.3 **Advice for firefighters**
Wear self contained breathing apparatus for fire fighting if necessary.

| | |
|---|--|
| 5.4 | <p>Further information</p> <p>no data available</p> |
| Section 6: Accidental Release Measures | |
| 6.1 | <p>Personal precautions, protective equipment and emergency procedures</p> <p>Avoid dust formation. Avoid breathing vapours, mist or gas.</p> <p>For personal protection see section 8.</p> |
| 6.2 | <p>Environmental precautions</p> <p>Do not let product enter drains.</p> |
| 6.3 | <p>Methods and materials for containment and cleaning up</p> <p>Sweep up and shovel. Keep in suitable, closed containers for disposal.</p> |
| 6.4 | <p>Reference to other sections</p> <p>For disposal see section 13.</p> |
| Section 7: Handling and Storage | |
| 7.1 | <p>Precautions for safe handling</p> <p>Provide appropriate exhaust ventilation at places where dust is formed.</p> <p>For precautions see section 2.2.</p> |
| 7.2 | <p>Conditions for safe storage, including any incompatibilities</p> <p>Store in cool place. Keep container tightly closed in a dry and well-ventilated place.</p> |
| 7.3 | <p>Specific end use(s)</p> <p>A part from the uses mentioned in section 1.2 no other specific uses are stipulated</p> |
| Section 8: Exposure Controls/Personal Protection | |
| 8.1 | <p>Control parameters</p> <p>Components with workplace control parameters</p> <p>Contains no substances with occupational exposure limit values.</p> |
| 8.2 | <p>Exposure controls</p> <p>Appropriate engineering controls</p> <p>General industrial hygiene practice.</p> <p>Personal protective equipment</p> <p>Eye/face protection</p> <p>Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).</p> <p>Skin protection</p> <p>Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching</p> |

glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

| | | |
|----|--|---|
| a) | Appearance | Form: powder,crystalline Colour: white |
| b) | Odour | odourless |
| c) | Odour Threshold | no data available |
| d) | pH | no data available |
| e) | Melting point/freezing point | 93.0-97.0 °C |
| f) | Initial boiling point and boiling range | no data available |
| g) | Flash point | no data available |
| h) | Evaporation rate | no data available |
| i) | Flammability (solid, gas) | no data available |
| j) | Upper/lower flammability or explosive limits | no data available |
| k) | Vapour pressure | no data available |
| l) | Vapour density | no data available |
| m) | Relative density | no data available |
| n) | Water solubility | insoluble |
| o) | Partition coefficient: octanol/water | no data available |

| | | |
|-----|---------------------------------|-------------------|
| p) | Autoignition temperature | no data available |
| q) | Decomposition temperature | no data available |
| r) | Viscosity | no data available |
| s) | Explosive properties | no data available |
| t) | Oxidizing properties | no data available |
| 9.2 | Other safety information | |
| | no data available | |

Section 10: Stability and Reactivity

| | | |
|------|---|---|
| 10.1 | Reactivity | no data available |
| 10.2 | Chemical stability | Stable under recommended storage conditions. |
| 10.3 | Possibility of hazardous reactions | no data available |
| 10.4 | Conditions to avoid | no data available |
| 10.5 | Incompatible materials | Strong acids, Strong bases |
| 10.6 | Hazardous decomposition products | Other decomposition products - no data available In the event of fire: see section 5 |

Section 11: Toxicological Information

| | | |
|------|---|-------------------|
| 11.1 | Information on toxicological effects | |
| | Acute oral toxicity | No data available |
| | Skin corrosion/irritation | no data available |
| | Serious eye damage/eye irritation | no data available |
| | Respiratory or skin sensitization | no data available |
| | Germ cell mutagenicity | no data available |

Carcinogenicity

IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Potential health effects

- Inhalation** May be harmful if inhaled. Causes respiratory tract irritation.
- Ingestion** May be harmful if swallowed.
- Skin** May be harmful if absorbed through skin. Causes skin irritation.
- Eyes** May cause eye irritation.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12: Ecological Information

12.1 **Toxicity**

No data available

12.2 **Persistence and degradability**

No data available

12.3 **Bioaccumulative potential**

No data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

No data available

Section 13: Disposal Considerations
13.1 Waste treatment methods
Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

Section 14: Transport Information
14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

14.6 Special precautions for user

no data available

Section 15: Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
No data available
15.2 Chemical Safety Assessment

no data available

Section 16: Other Information**Further information**

The information above is based on our present knowledge. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

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