Safety Data Sheet (SDS) - Kojic Acid Dipalmitate

According to Regulation (EC) No 1907/2006 (REACH), as amended by Regulation (EU) 2020/878
Version 1.1, 23-Nov-2026

Section 1. Identification of the substance/mixture and of the company

Product name:	Kojic Acid Dipalmitate
Recommended uses:	Ingredient for professional formulation, analytical and R&D use
Uses advised against:	Uses not permitted by applicable legislation; household handling of the pure substance
Catalogue Number:	NST-12-23
Supplier:	NATURE SCIENCE TECHNOLOGIES Ltd Briezu 11, Lapsas, Latvia, LV-2107 Phone: +371 24220280 Email: sales@nstchemicals.com Website: www.nstchemicals.com Emergency: Latvian Poison Information Centre +371 67042473 (24/7)

Section 2. Hazards identification

Classification:	Regulation (EC) No 1272/2008 (CLP): Not classified as hazardous based on available information. No hazard pictogram. No signal word. No hazard statements required. Precautionary advice: Avoid generating or breathing dust. Use adequate ventilation. Wear gloves and eye protection where exposure is possible. Wash thoroughly after handling. Other hazards: Fine airborne organic dust may form a combustible dust atmosphere. Dust may cause mechanical irritation. Available supplier information indicates no PBT, vPvB or endocrine-disrupting components at 0.1% or higher.

Section 3. Composition/information on ingredients

Chemical name:	Kojic acid dipalmitate, not less than 98.0% (supplier specification).
Synonyms:	Kojic dipalmitate; 5-(palmitoyloxy)-2-[(palmitoyloxy)methyl]-4H-pyran-4-one
Chemical formula:	C38H66O6
Molecular weight:	618.92 g/mol
CAS No:	79725-98-7
EC No.	616-725-6

Section 4. First aid measures

Inhalation:	Move to fresh air and keep at rest. Obtain medical advice if coughing, breathing difficulty or other symptoms develop or persist.
Skin:	Remove contaminated clothing. Wash skin thoroughly with soap and water. Obtain medical advice if irritation or rash develops or persists.
Eyes:	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Obtain medical advice if irritation persists.
Ingestion:	Rinse mouth. Do not induce vomiting. Obtain medical advice if symptoms occur. Never give anything by mouth to an unconscious person.

Section 5. Firefighting measures

Extinguishing media suitable:	Water spray, foam, dry extinguishing powder or carbon dioxide. Use measures appropriate to the surrounding fire.
Special protection of fire-fighters:	Wear self-contained breathing apparatus and full protective equipment. Combustion or thermal decomposition may produce carbon monoxide, carbon dioxide and irritating fumes. Dispersed organic dust may be combustible.

Section 6. Accidental release measures

Personal precautions:	Avoid dust formation and inhalation. Ensure ventilation. Wear suitable gloves and eye protection. Keep unnecessary personnel away.
Environmental precautions:	Prevent entry into drains, surface water and soil. Notify authorities if a significant release reaches water or drains.
Methods for cleaning up:	Collect mechanically or with a HEPA-filtered vacuum without generating dust. Place in a closed, labelled container for disposal and clean the area.

Section 7. Handling and storage

Handling:	Handle in a well-ventilated area. Minimise dust. Avoid inhalation, ingestion and contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage:	Store tightly closed in a cool, dry, well-ventilated place. Protect from strong light and heat. Keep away from strong oxidising agents. Supplier specification shelf life: 24 months under recommended conditions.

Section 8. Exposure controls/personal protection

Engineering measures:	No substance-specific occupational exposure limit has been established. Apply applicable nuisance-dust limits. Use local exhaust ventilation and provide eyewash facilities.
Hygiene measures:	Wash hands and exposed skin after handling and before breaks. Do not eat, drink or smoke in work areas. Remove contaminated clothing before reuse.
Personal protective equipment:	Respiratory: suitable particulate-filter respirator where dust forms or ventilation is insufficient. Hands: protective gloves appropriate to the task, e.g. nitrile.
Skin and body:	Protective work clothing appropriate to the scale and duration of exposure.
Eyes:	Safety glasses with side shields or tightly fitting safety goggles.

Section 9. Physical and chemical properties

Physical state:	Solid; powder
Colour:	White
Odour:	No product-specific odour data available
Molecular Weight:	618.92 g/mol
Melting point:	92-96 degrees C (supplier specification)
pH:	No data available
Boiling point:	No data available; decomposition may occur before boiling
Solubility:	No product-specific solubility data available
Explosive properties:	Not classified as explosive. Fine airborne organic dust may form a combustible dust atmosphere.

Section 10. Stability and reactivity

Stability:	Stable under recommended storage and normal handling conditions. Protect from strong light and heat.
Materials to avoid:	Strong oxidising agents, excessive heat, ignition sources and strong light. Avoid dust accumulation.
Hazardous decomposition products:	Carbon monoxide, carbon dioxide and irritating fumes may form during combustion or thermal decomposition.

Section 11. Toxicological information

Acute toxicity:	Not classified for acute toxicity based on available information. Adequate quantitative endpoint data for the supplied product are not available.
Skin corrosion/irritation:	Based on available information, classification criteria for skin corrosion or irritation and serious eye damage or irritation are not met. Dust may cause mechanical irritation.
Respiratory or skin sensitisation:	Based on available information, classification criteria for respiratory or skin sensitisation are not met. Product-specific data are limited.
CMR effects:	Available information does not support classification for germ-cell mutagenicity, carcinogenicity or reproductive toxicity; product-specific data are limited.
Signs and symptoms of exposure:	Dust may cause mechanical irritation of the eyes, skin or respiratory tract.
Potential health effects:	No product-specific target-organ toxicity data are available.
Inhalation:	Dust may irritate the respiratory tract; no CLP respiratory-irritation classification is assigned.
Skin:	Prolonged or repeated contact with dust may cause dryness or mechanical irritation.
Eyes:	Dust may cause mechanical eye irritation; no CLP eye-irritation classification is assigned.
Ingestion:	Health injury is not expected under normal handling; large amounts may cause gastrointestinal discomfort.
Other information:	Avoid ingestion and unnecessary dust exposure; follow the protective measures in Section 8.

Section 12. Ecological information

Ecotoxicity:	Not classified under CLP as hazardous to the aquatic environment based on available information. Product-specific ecotoxicity data are not available. Avoid uncontrolled release.
Persistence and degradability:	Product-specific persistence, degradability, bioaccumulation and mobility data are not available.
Other adverse effects:	Available supplier information indicates no PBT, vPvB or endocrine-disrupting components at 0.1% or higher. Collect spills and contaminated cleaning materials.

Section 13. Disposal considerations

Product:	Dispose of contents through a licensed waste contractor in accordance with local, regional and national requirements. Do not discharge to drains.
Contaminated packaging:	Empty completely. Treat contaminated packaging as the product. Recycle only thoroughly cleaned packaging where permitted.

Section 14. Transport information

ADR/RID:	Not regulated as dangerous goods under ADR/RID. No UN number, transport hazard class or packing group assigned.
IMDG:	Not regulated as dangerous goods under IMDG. Not classified as a marine pollutant.
IATA:	Not regulated as dangerous goods under IATA. No UN number, transport hazard class or packing group assigned.

Section 15. Regulatory information

EU regulatory information:	Prepared in accordance with Regulation (EC) No 1907/2006 (REACH), Annex II, as amended by Regulation (EU) 2020/878. Classification and labelling assessed under Regulation (EC) No 1272/2008 (CLP), as amended. A chemical safety assessment has not been carried out by the supplier.

Section 16. Other information

Notice to reader:	Version 1.1; revision date 23-Nov-2026. Revised to retain only general grade specifications. Classification is based on available product identity, the supplier quality specification and public information for kojic acid dipalmitate, CAS 79725-98-7. Product identity and quality properties derive from the applicable specification limits. This information is provided in good faith as guidance for safe handling, storage, transport and disposal and is not a warranty of product properties. Users remain responsible for suitability and legal compliance.