

Kojic Acid

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /
March 26, 2012 / Rules and Regulation

Revision Date: 10/30/2020
Supersedes: 08/2018

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Kojic acid	Distributor: MakingCosmetics.com Inc.
Synonyms: 5-Hydroxy-2-(hydroxymethyl)-4-pyrone	Address: 10800 231 st Way NE
INCI Name: Kojic acid	Redmond, WA 98053 (USA)
CAS Number: 501-30-4	Phone / Fax: 425-292-9502 / 425-292-9601
Formula: C ₆ H ₆ O ₄	Web: www.makingcosmetics.com
Product Form: Powder	
Product Use: Cosmetic use	Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Health Hazard

GHS Labeling: No data available

GHS Hazard Pictograms: None

GHS Hazard Statements: H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H332: Harmful if inhaled

GHS Precautionary Statements: P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P281: Use personal protective equipment as required.
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P340 IF INHALED: Remove casualty to fresh air and keep at rest in a position comfortable for breathing.

Potential Health Hazards: Eyes: Causes eye irritation.
Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.
Skin: Causes skin irritation.
Ingestion: May be harmful if swallowed.

NFPA Ratings (704):

Health	2	Moderate
Flammability	1	Slight
Reactivity	0	Minimal
Specific Hazard	n/a	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Kojic acid	501-30-4	100%	142.11 g/mol

4 FIRST AID MEASURES

Eyes: In case of eye contact, rinse with plenty of water and seek medical attention if necessary

Inhalation: Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.

Skin: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention if necessary

Ingestion: Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention if necessary.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: May be combustible at high temperature. Use appropriate media for adjacent fire. Cool unopened containers with water.

Special protective equipment & precautions for firefighters: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

Specific hazards arising from the chemical: May emit toxic fumes (carbon oxides CO and CO₂) under fire conditions. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures: Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.

Environmental precautions: Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.

Methods and material for containment and cleaning up: Small spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. If necessary, neutralize the residue with a dilute solution of sodium carbonate. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Large spill: use a shovel to put the material into a convenient waste disposal container. Neutralize the residue with a dilute solution of sodium carbonate. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7 HANDLING & STORAGE

Precautions for safe handling: Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes.

Conditions for safe storage: Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Kojic acid	Not available		

TWA: Time Weighted Average over 8 hours of work.
 TLV: Threshold Limit Value over 8 hours of work.
 REL: Recommended Exposure Limit
 PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.
 IDLH: Immediately Dangerous to Life or Health
 WEEL: Workplace Environmental Exposure Levels
 CEIL: Ceiling

Personal Protection:

Eyes: Wear chemical safety glasses or goggles.
 Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Be sure to use an approved/certified respirator or equivalent.

Inhalation: In case of large spill: A self-contained breathing apparatus should be used to avoid inhalation of the product.

Skin: Wear nitrile or rubber gloves, apron or lab coat.

Other: In case of large spill: Full suit, boots, gloves should be worn. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance @ 25 °C:	Solid / powdered solid	Vapor Pressure:	No data available
Odor:	Odorless	Vapor Density:	No data available
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	No data available	Flammability:	No data available
Molecular Weight:	No data available	Upper/lower Explosive Limit:	No data available
pH (1% sol./water):	4.0	Flash Point:	No data available
Boiling Point:	Decomposes @ 25 °C	Specific Gravity @ 25 °C:	No data available
Melting Point:	152.2 °C (306.5 °F)	Solubility:	Soluble in water; methanol, acetone
Relative Density:	No data available	Auto-Ignition Temperature:	No data available
Partition Coefficient: n-octanol/water:	No data available	Decomposition Temperature:	No data available
Viscosity:	No data available	Explosive Properties:	No data available
Oxidizing Properties:	No data available	Freezing Point:	No data available

10 STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical Stability:	Unstable
Hazardous Polymerization:	Not expected
Conditions to Avoid:	No data available
Incompatible Materials:	No data available
Hazardous Decomposition Products:	No data available
Corrosivity:	Non-corrosive in presence of glass

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available
Skin:	No data available
Eyes:	No data available
Respiratory:	No data available
Ingestion:	No data available
Carcinogenicity:	No data available
Teratogenicity:	No data available
Germ Cell Mutagenicity:	No data available
Embryotoxicity:	No data available
Specific Target Organ Toxicity:	No data available
Reproductive Toxicity:	No data available
Respiratory/Skin Sensitization:	No data available
Corrosivity:	No data available
Sensitization:	No data available
Irritation:	No data available
Repeated Dose Toxicity:	No data available

12 ECOLOGICAL INFORMATION

Ecotoxicity	No data available
Aquatic Vertebrate:	No data available
Aquatic Invertebrate:	No data available
Terrestrial:	No data available
Persistence and Degradability:	Possibly hazardous short/long term degradation products are to be expected
Bioaccumulative Potential:	No data available
Mobility in Soil:	No data available
PBT and vPvB Assessment:	No data available
Other Adverse Effects:	No data available

13 DISPOSAL CONSIDERATIONS

Waste Residues:	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary, before disposing of waste product container.
Product Containers:	Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary, before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may significantly change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA):	Not regulated
TDG (Transportation of Dangerous Goods, Canada):	Not regulated
IMDG (International Maritime Dangerous Goods):	Not regulated It is expected that this chemical is not a marine pollutant and is not Harmful to the Aquatic environment
IATA (International Air Transport Association):	Not regulated
ICAO (International Civil Aviation Organization):	Not regulated

15 REGULATORY INFORMATION

TSCA Inventory Status:	Not listed on the TSCA inventory
DSCL (EEC):	No data available
WHMIS (Canada):	No data available
EU EINECS/ELINCS/NLP:	No data available
China IECSC:	Listed
China IECIC (06.30.2014):	No data available
Australia AICS:	Listed
New Zealand NZIoC:	Listed
California Prop. 65:	This chemical does not contain any ingredients known to the State of California to cause cancer or any other reproductive harm.

16 OTHER INFORMATION

Revision Date:	10/30/2020
Compliance:	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
Disclaimer:	This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to

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