

Kojic Acid

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


Revision Date: 05-12-2015
Supersedes: 07-11-2014

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 Signal Word: **WARNING**

GHS Hazard Pictograms: 

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

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
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 & Wear self-contained, approved breathing apparatus and full protective clothing, including eye

precautions for firefighters:	protection and boots.
Specific hazards arising from the chemical:	May emit toxic fumes (carbon oxides CO and CO ₂) under fire conditions. See also Stability and Reactivity section.
Explosion Hazards:	Not available

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions:	Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements
Methods and material for containment and cleaning up:	Pick up and arrange disposal without creating dust. Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations

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.
Inhalation:	Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator.
Skin:	Wear nitrile or rubber gloves, apron or lab coat.
Other:	Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State:	Powdered solid	Vapor Pressure:	Not applicable
Odor:	Negligible	Vapor Density:	Not applicable
Taste:	Not available	Evaporation Rate:	Not applicable
Color:	White	Flammability:	Not flammable
pH (1% sol. in water)	4	Upper/lower Explosive Limit:	Not explosive
Boiling Point:	Decomposes	Specific Gravity:	Not available
Melting Point:	152.5 °C (306.5 °F)	Molecular Weight:	142.11 g/mol
Flash Point:	Not available	Solubility:	Soluble in cold water, hot water, methanol, acetone

10 STABILITY AND REACTIVITY

Reactivity:	Product is not stable
Possibility of Hazardous Reactions:	Not available
Conditions to Avoid:	Not available
Incompatible Materials:	Not available
Hazardous Decomposition Products:	Not available

Polymerization: Will not occur

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: LD50: Not available. LC50: Not available
Chronic Toxicity: Not available
Carcinogenicity: A4 (Not classifiable for human or animal.) by ACGIH. May cause damage to the following organs: upper respiratory tract, stomach.
Teratogenicity: Not available
Germ Cell Mutagenicity: Not available
Embryotoxicity: Not available
Specific Target Organ Toxicity: Not available
Reproductive Toxicity: Not available

12 ECOLOGICAL INFORMATION

Ecotoxicity Not available
Persistence and Degradability: Possibly hazardous short/long term degradation products are to be expected
Bioaccumulative Potential: Not available
Mobility in Soil: Not 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
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): R37/38- Irritating to respiratory system and skin. R41- Risk of serious damage to eyes
WHMIS (Canada): CLASS D-2B: Material causing other toxic effects (TOXIC)
SARA 302, 304, 311, 312: Not available

16 OTHER INFORMATION

Revision Date: 05-12-2015
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 be the best of the company's knowledge and believed accurate and reliable as of the date indicated. 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. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.