

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Kojic acid	Supplier:	ASES CHEMICAL WORKS.
Synonyms:	5-Hydroxy-2-(hydroxymethyl)-4-pyrone	Address:	Brahm Bagh, Jalori Gate Jodhpur - 342001 Rajasthan-India
INCI Name:	Kojic acid	Phone:	+91-9636889954
CAS Number:	501-30-4	Web:	www.ases.in
Formula:	C ₆ H ₆ O ₄	Email :	ecom@ases.in
Product Form:	Powder		
Product Use:	Cosmetic use		

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 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

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

Eyes:	Wear chemical safety glasses or goggles.
Inhalation:	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. Be sure to use an approved respirator or equivalent. 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. 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.
Other:	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
Color :	white to light yellow	Evaporation Rate:	No data available
pH (1% sol./water):	4.0	Flammability:	No data available
Boiling Point:	Decomposes @ 25°C	Flash Point:	No data available
Melting Point:	152.2°C (306.5°F)	Upper/lower Explosive Limit:	No data available

10 STABILITY AND REACTIVITY

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

11 TOXICOLOGICAL INFORMATION

No data available

12 ECOLOGICAL INFORMATION

Persistence and Degradability:	Possibly hazardous short/long term degradation products are to be expected
Ecotoxicity :	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.

14 TRANSPORT INFORMATION

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

Dot/TDG/IATA/ICAO : Not Regulated

15 REGULATORY INFORMATION

No data available

16 OTHER INFORMATION

Disclaimer & Caution

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. The information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained