

Section 1: Identification

Common Name/Trade Name	KOJIC ACID	
Supplier Information	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours)
Product Synonym(s)	5-Hydroxy-2-(hydroxymethyl)-4H-pyran-4-one; 5-Hydroxy-2-(hydroxymethyl)-4H-pyrone; 2-Hydroxymethyl-5-hydroxy-gamma-pyrone	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Not a hazardous substance or mixture.
Signal Word	None
Hazard Statement(s)	N/A
Pictogram(s)	N/A
Precautionary Statement(s)	N/A
Hazards Not Otherwise Classified	No data available
Ingredient(s) with Unknown Toxicity	No data available

Section 3: Composition/Information on Ingredients

Chemical Name	Kojic Acid, 99%
Common Name	Kojic Acid
CAS Number	501-30-4
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	No ingredient are hazardous according to OSHA criteria. No components need to be disclosed according to the applicable regulations.
If Inhaled	Move to fresh air. Consult a physician.
In Case of Skin Contact	Rinse with plenty of soap & water and seek medical advice.
In Case of Eye Contact	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If Swallowed	Do not induce vomiting without medical advice. Rinse with water. Consult a physician.
Most Important Symptoms and Effects	Notes to Physician: Treat symptomatically and supportively.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.
Special Hazards Arising From the Substance/Mixture	During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Special hazards arising: Carbon oxides.
Special PPE and/or Precautions for Firefighters	As in any fire, wear self contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Use proper PPE as indicated in Section 8.
Methods and Materials Used for Containment	Clean up spills immediately, observing precautions in the Protective Equipment section.
Cleanup Procedures	Sweep up then place into a suitable container for disposal. Provide ventilation.

Section 7: Handling and Storage

Precautions for Safe Handling	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Use only in a chemical fume hood.
Conditions for Safe Storage	Keep container tightly closed. Store in a cool, dry place. Store in a tightly closed container.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	No occupational exposure limits are listed for this chemical.
Appropriate Engineering Controls	Use adequate ventilation to keep airborne concentrations low.
PPE - Eye/Face Protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
PPE - Skin Protection	Wear appropriate protective gloves to prevent skin exposure. 0.11mm thick nitrile.
PPE - Body Protection	Wear appropriate protective clothing to minimize contact with skin.
PPE - Respiratory Protection	A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use. Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

Section 9: Physical and Chemical Properties

Appearance	White Powder.
Upper/Lower Flammability or Explosive Limits	No data available
Odor	None.
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	No data available
Relative Density	No data available
Melting Point/Freezing Point	152 - 155 Å°C (306 - 311 Å°F)
Solubility	Water solubility: soluble
Initial Boiling Point and Boiling Range	No data available
Flash Point	No data available
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Partition Coefficient	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

Section 10: Stability and Reactivity

Reactivity	No data available
Chemical Stability	Stable under normal temperatures and pressures.
Possibility of Hazardous Reactions	No data available
Conditions to Avoid	Incompatible materials, strong oxidants.
Incompatible Materials	Oxidizing agents.
Hazardous Decomposition Products	No data available.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	Intraperitoneal-mouse-250mg/kg.
Acute Toxicity - Inhalation	No data available
Acute Toxicity - Dermal	No data available
Acute Toxicity - Eye	No data available
Skin Corrosion/Irritation	No data available
Serious Eye Damage/Irritation	No data available
Respiratory or Skin Sensitization	No data available
Germ Cell Mutagenicity	Histidine reversion (Ames)
Carcinogenicity IARC	Group 3: Not classifiable as to its carcinogenicity to humans.
Carcinogenicity ACGIH	Not listed by ACGIH.
Carcinogenicity NTP	Not listed by NTP.
Carcinogenicity OSHA	Not listed 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

Section 12: Ecological Information

Toxicity	No data available
Persistence and Degradability	No data available
Bio-accumulative Potential	No data available
Mobility in Soil	No data available
Other Adverse Effects	No data available

Section 13: Disposal Considerations

Waste Treatment Methods Product	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
Waste Treatment Methods Packaging	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	Not dangerous goods.
UN Proper Shipping Name	N/A
Transport Hazard Class(es)	N/A
Packaging Group	N/A
Environmental Hazards	N/A

Section 15: Regulatory Information

SARA 311/312: None. Section 302: None of the chemicals in this product have a TPQ/RQ. Section 313: No chemicals are reportable under Section 313. STATE: CAS# 501-30-4 is not present on state lists from CA, MN, MA, FL. Pennsylvania Right to Know: 5-Hydroxy-2-hydroxymethyl-4-pyrone CAS# 501-30-4. New Jersey Right to Know: 5-Hydroxy-2-hydroxymethyl-4-pyrone CAS# 501-30-4. California Prop. 65 components: None of the chemicals are known to cause cancer, birth defects, or any other reproductive harm. EUROPEAN/INTERNATIONAL REGULATIONS: European Labeling in Accordance with EC Directives: Hazard Symbols: Not available. WGK (Water/Danger/Protection) CAS # 501-30-4: No information available. Canada: None of the chemicals in this product are listed on Canada's Ingredient Disclosure List.

Section 16: Other Information

Additional Information	N/A
Prepared By	Lisa Russell
Revision Date	01/08/2019 16:01

Disclaimer

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