Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Section 1: Identification

Product Name Kojic acid
Commercial Name Not available.
Product Use Not available
Restrictions On Use Not available

Product Code 30-2749

Company
PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: CFR 1910.1200 Not available

Signal Word WARNING

Hazard Statement(s) May be harmful if inhaled. May cause respiratory tract irritation. May be harmful if absorbed through skin. May cause skin irritation. May cause eye irritation. May be harmful if swallowed.

Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention Not available
Response Not available.
Storage Not available
Disposal Not available

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Kojic acid
% By Weight 100
CAS# 501-30-4
Molecular Weight 142.11 g/mole
Chemical Formula C6H6O4
Synonym(s) 5-Hydroxy-2-(hydroxymethyl)-4H-pyr n-4-one

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Kojic acid	501-30-4	100	Not available.	Not available.

Section 4: First-Aid Measures

Inhalation If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Skin Contact Wash off with soap and plenty of water.
Eye Contact Flush eyes with water as a precaution.
Ingestion Never give anything by mouth to an unconscious person. Rinse mouth with water.
Symptoms/Effects
Acute Not available
Delayed Not available
Immediate Medical Attention
Not available.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media
Not available

Products of Combustion
Carbon oxides Combustible.

Firefighters Special Equipment and Precautions
Wear self-contained breathing apparatus for firefighting if necessary.

Section 6: Accidental Release Measures

Avoid dust formation. Avoid breathing vapours, mist or gas. Methods and materials for containment and cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Handling: Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. Storage: Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place. Storage class (TRGS 510): 11: Combustible Solids

Section 8: Exposure Controls/Personal Protection

Exposure Limits Not available.
Engineering Controls General industrial hygiene practice.

Personal Protection

Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M) Splash contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario. Body Protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Control of environmental exposure: No special environmental precautions required.

Section 9: Physical and Chemical Properties

Appearance	powder, crystalline
Odor	odourless
Odor Threshold	Not available

Melting Point	152 - 155 °C (306 - 311 °F) -	**pH**	Not available
Freezing Point	Not available	**Vapor Pressure**	Not applicable.
Boiling Point/Range	Decomposes.	**Vapor Density**	Not available.
Decomposition temperature	Not available	**Viscosity**	Not available.
Partition Coefficient: n-octanol/water	Not available	**Evaporation Rate**	Not available
Flash Point	Not available.	**Autoignition temperature**	Not available
Flammability	Not available	**Flammability or Explosive Limits:**	
		Lower	Not available
		Upper	Not available

Solubility(ies)	Soluble in water,
Other	Not available.

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	Stable under recommended storage conditions.
Hazardous Polymerization	Not available
Conditions to Avoid	Not available.
Incompatible Materials	Strong acids, Strong basesStrong oxidizing agents
Hazardous Decomposition Products	Carbon oxides

Section 11: Toxicological Information

RTECS UQ0875000

Acute Toxicity
Not available

Skin Corrosion/Irritation
Not available

Serious Eye Damage/Irritation
Not available

Respiratory or Skin Sensitization
Not available

Germ Cell Mutagenicity
Not available

Carcinogenicity
Not available

Reproductive Toxicity
Not available

Routes of Entry
Not available

Symptoms Related to Exposure
Not availabe

Potential Health Effects
Not available

Target Organ(s) Not available

Section 12: Ecological Information

Ecotoxicity
Not available

Persistance and Degradability
Not available

Bioaccumulative Potential
Not available

Mobility in Soil
Not available

Other Adverse Effects
Not available

Section 13: Disposal Considerations

Waste Disposal
Offer surplus and non-recyclable solutions to a licensed disposal company.

Disposal of Container
Dispose of as unused product.

Other Considerations
Not available

Section 14: Transport Information

DOT Classification
Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information

Regulations
Not available.

Other
WHMIS CLASS D-2B: Material causing other toxic (Canada) effects (TOXIC).;DSCL (EEC) R37/38- Irritating to respiratory system and skin. R41- Risk of serious damage to eyes.;Gloves.;Lab coat.;Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.;Splash goggles.

Section 16: Other Information

Not available.