



Safety Data Sheet

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

Potassium Gluconate USP

30-1356

Section 1: Identification

Product Name Potassium Gluconate USP
Commercial Name Not available.
Product Use Industrial, manufacturing, or laboratory use
Restrictions On Use Not available
Product Code 30-1356
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: Not available
CFR 1910.1200
Signal Word NON-HAZARDOUS
Hazard Statement(s) Not available
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 Potassium gluconate
% By Weight 100
CAS# 299-27-4
Molecular Weight 234.25 g/mole
Chemical Formula C₆H₁₁KO₇
Synonym(s) monopotassium salt gluconic acid, gluconic acid potassium salt, potassium D- gluconate

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Potassium gluconate	299-27-4	100	Not available.	ORAL (LD50):Acute: 10380mg/kg [Rat].9100 mg/kg[Mouse].

Section 4: First-Aid Measures

Inhalation	Remove person to fresh air and keep comfortable for breathing.
Skin Contact	Wash skin with plenty of water. In case of redness or irritation, call a doctor.
Eye Contact	Rinse eyes with water as a precaution.
Ingestion	Rinse mouth out with water. If you feel unwell, seek medical advice.
Symptoms/Effects	
Acute	Nausea. Vomiting. Diarrhea.
Delayed	Nausea. Vomiting. Diarrhea.
Immediate Medical Attention	
Treat symptomatically.	

Section 5: Fire-Fighting Measures
Suitable Extinguishing Media

Water spray. Dry powder. Foam.

Unsuitable Extinguishing Media

Not available.

Products of Combustion

Toxic and irritating fumes may be released. Carbon oxides (CO, CO₂). Potassium oxides.

Firefighters Special Equipment and Precautions

Firefighting instructions : Do not dispose of fire-fighting water in the environment. Cool down the containers exposed to heat with a water spray. Protection during firefighting : Do not attempt to take action without suitable protective equipment. Complete protective clothing. Self-contained breathing apparatus.

Section 6: Accidental Release Measures

For non-emergency personnel Emergency procedures : Ventilate spillage area. Mark the danger area. Avoid contact with skin and eyes. For emergency responders Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Environmental precautions: Avoid release to the environment. Methods and material for containment and cleaning up: For containment : Collect up the product and place it in a spare container suitably labelled. Methods for cleaning up : Mechanically recover the product. Wash contaminated area with large amounts of water. Dispose of contaminated materials in accordance with current regulations.

Section 7: Handling and Storage

Precautions for safe handling : Ensure good ventilation of the work station. Dust extraction (suction). Avoid contact with skin and eyes. Avoid the formation or spread of dust in the atmosphere. Wear personal protective equipment. Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Conditions for safe storage, including any incompatibilities Technical measures : Does not require any specific or particular technical measures. Storage conditions : Store in a clean, dry warehouse in the original unopened containers. Store in a well-ventilated place. Keep cool. Incompatible materials : Strong oxidizers.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Ensure good ventilation of the work station.
Personal Protection	Dust production: dust mask with filter type P1. Gloves. Protective goggles. Eye protection: Safety goggles Skin and body protection: Wear suitable protective clothing Hand protection: Impermeable protective gloves. The protective gloves to be used must comply with the specifications of the regulation 2016/425 and the resultant standard EN 374. Breakthrough time : refer to the recommendations of the supplier. Respiratory protection: Dust production: dust mask with filter type P1 Environmental exposure controls: Avoid release to the environment

Section 9: Physical and Chemical Properties

Appearance	White to off-white granules. Solid.		
Odor	Odourless		
Odor Threshold	Not available.		
Melting Point	Not available.	pH	7 – 8.3 (100 g/L 20°C)
Freezing Point	Not available.	Vapor Pressure	0.835 hPa (25°C) (OECD 104 meth
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	180 °C	Viscosity	Not available.
Partition Coefficient: n-octanol/water	-3.18	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)	Not available.		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	To our knowledge, the product does not present any particular risk. The product is non-reactive under normal conditions of use, storage and transport.
Chemical Stability	Stable at ambient temperature and under normal conditions of use.
Hazardous Polymerization	None under normal conditions. No hazardous decomposition products known.
Conditions to Avoid	None under recommended storage and handling conditions
Incompatible Materials	Strong oxidizers.
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological Information
RTECS LZ5230000

Acute Toxicity

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met) Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met) Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

Skin Corrosion/Irritation

Not classified

Serious Eye Damage/Irritation

Not classified

Respiratory or Skin Sensitization

Not classified

Germ Cell Mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive Toxicity

Not classified

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Routes of Entry

Not available.

Symptoms Related to Exposure

Not available

Potential Health Effects

Not available

Target Organ(s)

Not classified

Section 12: Ecological Information**Ecotoxicity**

Not classified LC50 fish > 100 mg/l/96h (Oryzias latipes) (OECD 203 method) (results obtained by read-across) (Published data)
EC50 Daphnia > 1000 mg/l/48 h (Daphnia magna) (OECD 202 method) (results obtained by read-across) (Published data) NOEC
(acute) > 100 mg/l/96h (Oryzias latipes) (OECD 203 method) (results obtained by read-across) (Published data)

Persistence and Degradability

Not available

Bioaccumulative Potential

Partition coefficient n-octanol/water (Log Pow) -3.18

Mobility in Soil

Not available.

Other Adverse Effects

Not available

Section 13: Disposal Considerations**Waste Disposal**

Dispose of contents/container in accordance with licensed collector's sorting instructions.

Disposal of Container

Remove waste in accordance with local and/or national regulations.

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**

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312). Components present in this product at a level which could require reporting under the statute are: NONE Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual report release of toxic chemicals that appear in 40 CFR 372 (used for SARA 313). This information must be included in all MSDSs that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statute are: NONE; Pennsylvania Right-To-Know, Hazardous substance List, Hazardous Substances and Special hazardous Substances on the list must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE Massachusetts Right-To-Know, Substance List (MSL) Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal or greater than the reportable quantities (RQs) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are: NONE

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Other

WHMIS CLASS D-2A: Material causing other toxic (Canada) effects (VERY TOXIC); DSCL (EEC) R36- Irritating 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

Information contained herein is believed to be accurate. However, it is provided solely for the customer's consideration, investigation and verification. Canton Chem, Inc. hereby specifically disclaims any and all warranties expressed or implied, regarding the accuracy and completeness of such information, and makes no representation with respect thereto.