

**Safety Data Sheet**

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

Section 1: Identification

Product Name Potassium Citrate USP Monohydrate
Commercial Name Tripotassium Citrate Monohydrate
Product Use Basic industry, food, cleaning, pH regulating agents, pharmaceutical, complexing agents
Restrictions On Use Not available.
Product Code 30-1406
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 tripotassium 2- hydroxypropane- 1,2,3- tricarboxylate monohydrate
% By Weight 100
CAS# 6100-05-6
Molecular Weight 324.41 g/mole
Chemical Formula C₆H₅K₃O₇.H₂O
Synonym(s) Tripotassium Citrate, Potassium Citrate, Potassium Citrate Monohydrate

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
tripotassium 2- hydroxypropane- 1,2,3- tricarboxylate monohydrate	6100-05-6	100	Not available.	Not available.

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Section 4: First-Aid Measures

Inhalation	Move to fresh air. If symptoms persist, call a physician.
Skin Contact	Wash off with soap and plenty of water. If skin irritation persists, call a physician.
Eye Contact	Flush eyes with water as a precaution. If eye irritation persists, consult a specialist.
Ingestion	Drink water as a precaution. Consult a physician if necessary
Symptoms/Effects	
Acute	Not available.
Delayed	Not available.
Immediate Medical Attention	
No hazards which require special first aid measures.	

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media	water, water spray, dry powder, foam, carbon dioxide (CO2)
Unsuitable Extinguishing Media	Not available
Products of Combustion	carbon oxides

Firefighters Special Equipment and Precautions

Use personal protective equipment including self - contained breathing apparatus when fighting fire in enclosed area. Specific methods: Standard procedure for chemical fires.

Section 6: Accidental Release Measures

Personal precautions: Use personal protective equipment. Avoid dust formation. Environmental precautions: Dispose according to federal, state and local authorities. Methods for cleaning up: Sweep up and shovel. After cleaning, flush away traces with water.

Section 7: Handling and Storage

HANDLING Technical measures/Precautions No special technical protective measures required. Safe handling advice No special handling advice required. **STORAGE** Technical measures/Storage conditions Keep tightly closed in a dry and cool place. Incompatible products No special restrictions on storage with other products. Packaging material Store in original container.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	None established for this ingredient, use OSHA PEL, ACGIH TLV for Nuisance dusts of 5 mg/ m3.
Engineering Controls	Provide general dilute ventilation.
Personal Protection	Respiratory protection NIOSH approved dust respirator Hand protection Gloves Eye Protection Safety glasses Skin and body protection Lightweight protective clothing Hygiene measures Handle in accordance with good industrial hygiene and safety practice

Section 9: Physical and Chemical Properties

Appearance Powder/crystalline.White.colorless
Odor Odorless
Odor Threshold Not available.

Melting Point	>180 °C	pH	7.0 - 9 .0
Freezing Point	Not available.	Vapor Pressure	0
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	>230C	Viscosity	Not available.

Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	0
Flash Point	Not available.	Autoignition temperature	345C
Flammability	Not available.	Flammability or Explosive Limits:	

Lower Not available.

Upper Not available.

Solubility(ies) Water solubility @25C:640g/kg. Insoluble
Other Relative density:1.97 g/cm^3 Bulk density:900-1000 kg/m^3 Solubility in other solvents:Alcohol-Insoluble

Section 10: Stability and Reactivity

Reactivity Not available.
Chemical Stability Stable at normal conditions
Hazardous Polymerization Not available.
Conditions to Avoid Keep containers dry and tightly closed to avoid moisture absorption and contamination
Incompatible Materials Strong oxidizers
Hazardous Decomposition Products No decomposition if stored normally. Thermal decomposition can lead to release of irritating gases and vapors.

Section 11: Toxicological Information

RTECS Not available.

Acute Toxicity
LD50 /i.v. /dog =176 mg/kg Health injuries are not known or expected under normal use

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.

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Symptoms Related to Exposure

Not available.

Potential Health Effects

Not available.

Target Organ(s)

Not available.

Section 12: Ecological Information**Ecotoxicity**

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Persistence and Degradability

Readily biodegradable: according to appropriate OECD test DIN 38412 Part 25 (DIN EN ISO 9888): Readily biodegradable (> 90 % after 2 days) (2)

Bioaccumulative Potential

Not available.

Mobility in Soil

Completely soluble

Other Adverse EffectsChemical oxygen demand: COD=425 mgO₂/g**Section 13: Disposal Considerations****Waste Disposal**

Any disposal practice must be in compliance with local, state and federal laws and regulations (contact local or state environmental agency for specific rules).

Disposal of Container

Not available.

Other Considerations

Not available.

Section 14: Transport Information**DOT Classification**

DOT 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**

is generally regarded as safe (GRAS) by USA FDA. Listed European Food Additive E332 The ingredients are listed on the TSCA Inventory List. CERCLA (Comprehensive Response Compensation, and Liability Act): Not Hazardous SARA Title III (Superfund Amendments and Reauthorization Bill): Not Considered Hazardous Foreign Inventory Status Canadian DSL (Domestic Substance List) To the best of our knowledge, Jungbunzlauer Tripotassium Citrate does not contain any contaminants or bi-products known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking Water and Toxic Enforcement Act.

Other

Not available.

Section 16: Other Information

HMIS* Rating Health = 0, Fire = 0, Reactivity = 0 *Hazardous Materials Identification System of the National Paint and Coating Association. MSDS Status: Revision date: 11/16/2009 for format changes. Information contained herein is believed to be accurate. However, it is provided solely for the customer's consideration, investigation and verification. Jungbunzlauer 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.