

AERCHEM INC.
320 North Walnut
Bloomington, IN 47404

Telephone: 812.334.9996

Fax: 812.334.1960

Emergency: 800.424.9300

SECTION 1: IDENTIFICATION

Effective Date: 7/23/96

Product Name: Potassium Citrate USP/FCC

Common Name: 1,2,3-propanetricarboxylic acid; 2-hydroxy, tripotassium monohydrate

Chemical Formula: C₆H₅K₃O₇ H₂O

CAS No.: 866-84-2

SECTION 2: HAZARDOUS INGREDIENTS:

none

SECTION 3: PHYSICAL DATA

Physical Data:

Appearance and Odor:	white odorless powder and/or granules
Boiling point:(760 mmHg)	n/a - solid
Vapor Pressure (mmHg):	n/a-solid
Specific Gravity (Water = 1):	1.98
Solubility in water:(by weight)	greater than 50%
Melting Point:	decomposes
Evaporation rate:	< 1 (butyl acetate = 1)
Vapor Density:	n/a
pH	7.5-9

SECTION 4: FIRE AND EXPLOSION DATA

Fire and Explosion Information:

Flash point:	not established
Flammable limit:	n/a
Extinguishing Media:	water, carbon dioxide, foam, powder extinguisher
Fire Fighting Procedures:	Firefighters wear protective clothing and NIOSH respirator
approved	
Unusual Fire and Explosion Hazards:	none

SECTION 5: REACTIVITY DATA

Reactivity Data:

Stable X Unstable

Conditions to Avoid:

none reported

Incompatibilities:

none reported

Hazardous Decomposition or byproducts:

none known

Hazardous Polymerization:

will not occur

SECTION 6: HEALTH HAZARD DATA

Threshold Limit Value (TLV): n/a
Permissible Exposure Limit:
Toxicity:
Oral LD50 (rat):
NTP:
IARC Monographs:

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SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

First Aid:

Eyes: flush immediately with plenty of water. Call physician if irritation persists
Skin: Wash area with water, remove contaminated clothing and launder before reuse
Inhalation:
Ingestion:

Spillage: Recover by vacuum or broom and shovel.. Flush area with water to remove final traces.
Disposal: Conform to applicable federal, state and local regulations. Landfill or flush to drain.
Material is biodegradable in waste treatment facility.

SECTION 8: PRECAUTION TO BE TAKEN IN HANDLING AND STORING

Other Precautions: Store in dry area

SECTION 9: SPECIAL PROTECTION INFORMATION

Ventilation: local exhaust sufficient to control dust
Eye Protection: safety glasses
Protective Gloves: standard work gloves
Respiratory Protection: NIOSH approved chemical respirator with dust and mist filter while handling crystalline material.
Other Protective Gear: none

SECTION 10: TRANSPORT INFORMATION

DOT classification: n/a
DOT pictograms: