



Safety Data Sheet

Rev. 6

Page 1 of 5

Section 1 - Product and Company Identification

Product name : Potassium citrate monohydrate
Other names : --
Product use : Analysis tester, food additives. Alkaline potassium salt in the pharmaceutical industry, for Hypokalemia and Alkaline urine. Should be made into high efficiency compound fertilizer. Use in papermaking, gold plating.
Supplier's name : San Fu Chemical Co., Ltd.
Supplier's address : 340 Hsiao Hsin Li, Shan-Hua District, Tainan City, Taiwan, R.O.C.
Supplier's phone : 886-6-5837608 Emergency phone : 886-6-5837608
FAX. : 886-6-5839498

Section 2 - Hazards Identification

Classification : 1. Skin corrosion/irritation Category 3 2. Serious eye damage/ irritation Category 2B 3. Specific Target Organ toxicity – single exposure Category 3
The Most Important Hazards and effect Label element : ■ Hazard symbol : Exclamation mark ■ Signal word : warning
Hazard statement : 1. cause mild skin tissue irritation 2. cause eye irritation 3. cause respiratory tract irritation
Precautionary statement : 1. wear mouth protective equipments 2. Avoid contact with eyes and skin. 3. If contacted with eye, wash with large amount of water then seek the medical attention immediately.
Others Hazard : /

Section 3 - Composition/Information On Ingredients

Pure substance :

Chemical name : Potassium citrate monohydrate
Synonyms : tri-Potassium citrate
CAS No. : 6100-05-6
Ingredient contributing to the hazard(%) : 99%



Safety Data Sheet

Rev. 6

Page 2 of 5

Section 4 - First Aid Measures

The First-aid Information :

- Inhalation : Move to the air fresh place, and beware of patient's breathing.
- Skin Contact : Wash the contaminated area with large amount of water and soap. If the irritation occurs, seek the medical attention.
- Eye Contact : Flush the eyes with large amount of water. If the irritation occurs, seek the medical attention.
- Ingestion : If swallowed with large amount of the chemicals, give plenty of water to drink. If the irritation occurs, seek the medical attention immediately.

The Most Important Symptoms and Hazardous Effects : --

Protection of First-aiders : No specific regulation.

Notes to a Physician : --

Section 5 - Fire Fighting Measures

Extinguishing Media : Water, powder, chemical foam, CO2

Specific Hazards when Fire-fight : --

Specific Fire-fighting Procedure : none

Specific Protection of Firefighters : Wear complete protective clothing and self contained breathing apparatus.

Section 6 - Accidental Release Measures

Personal Precautions : Wear proper personal protective equipments

Environmental Precautions : Avoid generating the dust, keeps well ventilation.

Methods for Cleaning up : Sweep into the proper container for recycling or managing.

Section 7 - Handling and Storage

Handling : If there's left over in the containers, may have danger potentially. Must check the warning symbols and precautions of the chemical.

Storage :

1. Store tightly closed and sealed.
2. Place in the cool and well ventilation space.
3. Avoid store in the humid place.

Section 8 - Exposure Controls & Personal Protection

Engineering measures :

1. Install eye washer and shower equipments in the working area.
2. Maintain well ventilation in the working area.

Control parameters

TWA	STEL	Ceiling	Biological standards
--	--	--	--

Personal protective equipment :

- Respiratory Protection :
 1. Wear mask with filter function.



Safety Data Sheet

Rev. 6

Page 3 of 5

2. In case of emergency, use the positive pressure mode air breathing apparatus.
■ Hand Protection : Wear protective gloves.
■ Eye Protection : Wear safety goggles.
■ Skin and Body Protection : Wear protective clothing include boots, gloves, lab coat, apron or overalls to prevent skin contact.
Hygiene measures :
1. Forms a good habit.
2. Strictly no drinking or eating in the working area.
3. Need to wash the hands after work done.

Section 9 - Physical & Chemical Properties

Appearance : transparent with crystal like, white powder	Odor : odorless
Color : Transparent	Melting Point: 180°C
pH value : 8.5	Boiling point/boiling range : --
Flammability: --	Flash point : --
Decomposition temp : 230°C	Test method : --
Auto ignition temp : --	Explosion properties : --
Vapor pressure : --	Vapor density : --
Density : 1.98	Solubility : water soluble
log Kow : --	Evaporation Rate : --

Section 10 - Stability & Reactivity Data

Stability : Stable
Possible hazardous reactions under specific conditions : No reaction
Conditions to avoid : --
Materials to avoid : --
Hazardous decomposition products : May generate CO and CO ₂ .

Section 11 - Toxicological Information

Route of exposure : Inhalation, skin contact, ingestion, eyes.
Symptoms :
Immediate Toxicity :
1. Skin : Cause mild skin irritation and inflammation.
2. Inhalation : May cause mild irritation in respiratory tract.
3. Eye : May cause mild discomfort.
4. Ingestion : If swallowed with large of quantity may cause haematemesis and electrolyte imbalance. Burn in trachea and stomach.
● LD ₅₀ : --
● LC ₅₀ : --



Safety Data Sheet

Rev. 6

Page 4 of 5

Specific effects : --

Section 12 - Ecological Information

Ecotoxicology :

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|---|
| ■ LC ₅₀ (fish) : -- |
| ■ EC ₅₀ (Aquatic Invertebrates) : -- |
| ■ Bioconcentration factor (BCF) : -- |

Persistence and degradability : --

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|----------------------------------|
| ■ Half-Life (Air) : -- |
| ■ Half-Life (Water surface) : -- |
| ■ Half-Life (Groundwater) : -- |
| ■ Half-Life (Soil) : |

Bioaccumulative potential : --

Mobility in soil : --

Other adverse effects : --

Section 13 - Disposal Considerations

Methods of disposal :

- | |
|---|
| 1. Refer to the related law and regulation. |
| 2. Follow the specific incineration or health burial law. |

Section 14 - SDS Transport Information

UN classification number : --

Proper D.O.T Shipping Name : --

Hazard Class : --

Packing Group : --

Marine pollution : none

Specific precautionary transport measures and conditions : --

Section 15 - Regulatory Information

Regulations : --

Section 16 - Other Information

Literature references	CHEMINFO Database , CCINFO Disc , 2005-3 RTECS Database , TOMES PLUS Disc , Vol.65 , 2005 HSDB Database , TOMES PLUS Disc , Vol.65 , 2005		
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Safety Data **Sheet**

Rev. 6

Page 5 of 5

Issue date	Nov-10 th 2023	Revision : 6
Re-revision date	Nov-09 th 2026	
Remarks	Symbols Explanations: “--” No information is available at this time. “/” Not applicable to this substance.	
■ This information above has consulted national or international papers and manufacturer or supplier’s provided information. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Users should make their own determination of the suitability of the information for their particular purposes.		