



MATERIAL SAFETY DATA SHEET

Date of Issue : Jul 1998

IDENTIFICATION

General

Product Name : TRIPOTASSIUM CITRATE

Uses :

Salt of citric acid for use in the food, pharmaceutical and cosmetic industries also used as in oil and fat production and for animal feed production. Additives for detergents.

For information call: (914) 834-1881

In Emergency call: CHEMTREC (800) 424-9300

1. Physical Description / Properties

Appearance : Colorless or translucent crystals with no odor

Formula : $K_3C_6H_5O_7 \cdot H_2O$

Melting Point : N/A deg C

Specific Gravity : 1.97 (water = 1)

pH : 8.5 (50g/L)

Flammability Limits (as % volume in air)

Upper Explosion Limit : N/A

Boiling Point : N/A deg C

Vapour Pressure : N/A

Flash Point : N/A

Solubility in water : 925 g/l (25 deg C)

Lower Explosion Limit : N/A

2. Other Properties

Bulk density @ 20 deg C : 1000 - 1150 kg/m³ Decomposition temperature : 267 - 270 deg C

3. Ingredients

Chemical Entity	CAS No.	Proportions (%)
TRIPOTASSIUM CITRATE MONOHYDRATE	[6100-05-6]	100

HEALTH HAZARD INFORMATION

1. Health Effects – Acute

Swallowed

The product is considered to be practically non-toxic by ingestion.

Eye

Light eye irritation may occur under extreme dust conditions.

Skin



not expected to cause irritation.

may cause respiratory irritation.

2. Health Effects – Chronic

Mild skin irritation may occur with prolonged or repeated contact.

3. First Aid

Swallowed

Drink plenty of water and seek medical attention.

Eye

Rinse affected eyes thoroughly under running water for 15 minutes with eyelids held open. Seek medical attention.

Skin

Wash affected skin thoroughly with soap and water. Remove contaminated clothing

Inhaled

Remove affected person to fresh air.

First Aid Facilities

Ensure an eye bath and safety shower are available and ready for use.

4. Advice to Doctor

Treat symptomatically based on judgement of doctor and individual reactions of patient.

5. Toxicity Data

Oral LD50 = not available Dermal LD50 = not available Inhalation LC50 = not available

PRECAUTIONS FOR USE

1. Exposure Standards

An exposure standard has not been established for this product, however the following is recommended for nuisance dusts : TWA 10 mg/m³.

2. Engineering Controls

Well ventilated area to maintain air concentration below exposure standard.

3. Personal Protection

Protective glasses and gloves. In dusty environments wear an approved dust mask. Wash hands and face thoroughly after handling and before work breaks, eating, drinking, smoking and using toilet facilities.



Not flammable under normal conditions of use.

SAFE HANDLING INFORMATION

1. Storage / Transport

This product is not classified as a dangerous good under the provisions of the Australian Code for the Transport of Dangerous Goods by Road and Rail. No special storage or transport requirements necessary. This product should be store in closed containers in a cool, dry area.

2. Packaging / Labeling

UN No. N/A
Class None Allocated
Sub Risk None Allocated
Hazchem Code N/A
Pack Group 0
EPG No. N/A
Shipping Name TRIPOTASSIUM CITRATE

Hazard

Risk Phrases

Safety Phrases

3. Spills and Disposal

Spills

Clean-up personnel should wear protective glasses and dust mask. Avoid raising dusts. Flush small spills away with plenty of water. Sweep up large spills together with dust binding agent or use a vacuum cleaner. Place waste in drums and hold for disposal.

Disposal

Dispose of in accordance with all Local, State and Federal regulations at an approved waste disposal facility by incineration or to approved landfill.

4. FIRE AND EXPLOSION HAZARD

Fire / Explosion

No incompatible substances, hazardous decomposition products or hazardous reactions have been observed with this product, provided that it is stored and handled correctly.

Extinguishing Media



wear full protective clothing including self-contained breathing apparatus. In case of
with carbon dioxide, foam or dry agent type extinguishers. Use equipment/media appropriate to
conditions.

OTHER INFORMATION

Other Information

Tripotassium citrate is fully biodegradable.