

MATERIAL SAFETY DATA SHEET
1M Calcium Chloride Solution

Page 1 of 3

1. Product and Company Identification

Teknova Inc.
2290 Bert Dr.
Hollister, CA 95023
Telephone Number: 831-637-1100

Emergency Contacts/Telephone Numbers

Chemtrec Emergency Phone Number: (800) 424-9300

Issue Date: 05/29/2009

Catalog Number: C0478

Product Name: 1M Calcium Chloride Solution

2. Composition/Information On Ingredients

Ingredients	Cas Number	Sara #:
Calcium chloride solution	10043-52-4	N/A

3. Hazards Identification

Emergency Overview

OSHA Hazards

Harmful by ingestion, irritant

HMIS Rating

Health: 2

Flammability: 0

Reactivity: 0

NFPA Rating:

Health: 2

Flammability: 0

Reactivity: 0

Refer to section 11 for more information.

4. First Aid Measures

Eye

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Skin

In case of contact, immediately wash skin with soap and copious amounts of water. Wash contaminated clothing before reuse.

Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Ingestion

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

5. Firefighting Measures

Flammable Properties

N/A

Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special Protective Equipment For Firefighters

Wear self contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

Personal Precautions

Avoid dust formation.

Environmental Precautions

Do not let product enter drains.

Methods For Cleaning Up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling and Storage

Handling

Normal measures for preventive fire protection.

Storage

Keep container tightly closed in a dry and well-ventilated place.

8. Exposure Controls/Personal Protection

Engineering Controls

Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment

Respiratory: use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection is desired, use multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges.

Hand: protective gloves.

Eye: chemical safety goggles.

General Hygiene Measures

Wash thoroughly after handling.

9. Physical and Chemical Properties

Appearance and Physical Properties: liquid

Safety Data:

pH: 6.0 - 8.0 at 25 °C (77 °F)

Melting point: 0.0 °C (32.0 °F)

Boiling point: 100.0 °C (212.0 °F)

Density: 1.086 g/mL at 20 °C (68 °F)

Water solubility: completely miscible

10. Stability And Reactivity

Storage Stability

Stable under recommended storage conditions.

Conditions to Avoid

Exposure to moisture.

Materials to Avoid

Strong oxidizing agents

Hazardous Decomposition Products

Hazardous Decomposition Products Formed Under Fire Conditions.

Hydrogen chloride gas, calcium oxide

11. Toxicological Information

Route of Exposure

Skin contact: may cause skin irritation.

Skin absorption: may be harmful if absorbed through the skin.

Eye contact: may cause eye irritation.

Inhalation: material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

Ingestion: may be harmful if swallowed.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological Information

N/A

13. Disposal Considerations

Dispose of any unused material. Observe all federal, state and local environmental regulations.

14. Transport Information

DOT

Proper shipping name: none

Non-Hazardous for transport: this substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for air transport: non-hazardous for air.

15. Regulatory Information

OSHA Hazards

Harmful by ingestion, irritant

United States regulatory information

SARA listed: no

Canada regulatory information

WHMIS classification: this product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: no

NDSL: no

16. Other Information

Disclaimer

For R&D use only. Not for drug, household or other uses.

Warranty

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Teknova, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

Teknova, Inc.