

Name \_\_\_\_\_

Science Period \_\_\_\_\_

MSDS #: 19630

Revision Date: November 23, 2007

Date \_\_\_\_\_

Section 1 - Chemical Name and Synonyms

Calcium Chloride

MSDS PRACTICE

Flinn Scientific, Inc. P.O. Box 370, Batavia, IL 60510 (800) 452-1761

CHEMTREK Company Phone Number: (800) 424-9300

Section 2 - What is the name of this chemical?

Calcium Chloride and Calcium Chloride Dihydrate

CAS# 10043-52-4, 10043-01-2

Section 3 - What does this chemical look like?

White odorous powder, crystals or flakes.

Slightly toxic by ingestion. Mild irritant to skin, eyes and mucous membranes. Avoid all body contact.

FLINN A1-A-Glass

Health-1

Flammability-0

Reactivity-0

Explosive-1

Storage-1

0 is low hazard, 3 or 4 high hazard

What should you do if you accidentally get this chemical in your mouth?

Section 4 - First Aid Measures

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If necessary, call a physician. Remove clothing if contaminated. Do not induce vomiting.

Eye Contact: Immediately flush with fresh water for 15 minutes.

External: Wash continuously with fresh water for 15 minutes.

Internal: Rinse out mouth, give 1 to 2 cups of water or milk, induce vomiting. After vomiting, give mixture of 2 Tbs. of activated charcoal mixed with 4 cups of water.

Should this chemical be stored in a brightly, lit area?

Section 5 - Fire Fighting Measures

Non flammable, non combustible solid.

NFPA Code

What protective gear should be worn when working with this chemical?

Section 6 - Accidental Release

What should this chemical NOT come in contact with?

Restrict untrained personnel from area. Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

What do we know about the organs this chemical targets?

Section 7 - Handling and Storage

Flinn Suggested Chemical Storage Pattern: Inorganic #2. Store with acetates, halides, sulfates, sulfites, phosphates and phosphates. Store in a cool dry place. Deliquescent, store in Flinn Chem-Safe Bag.

What do the letters MSDS stand for?

Section 8 - Exposure Controls, Personal Protection

Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, chemical-resistant gloves and chemical-resistant apron. Use mechanical ventilation to keep airborne concentrations low.