## SAFETY DATA SHEET



# Order Customer Number Number

## Identification of the substance/preparation and of the company/undertaking

Product name : Calcium Chloride, Dihydrate, Molecular Biology Grade

Catalog #
Supplier

: 208291

Chemical formula : CaCl<sub>2</sub>·2H<sub>2</sub>O

 Manufactured by EMD Biosciences, Inc. 10394 Pacific Center Court

10394 Pacific Center Court San Diego, CA 92121 (858)450-5558/(800)854-3417

FAX: (858)453-3552

Synonym : Not available.

Emergency telephone number

: Call Chemtrec®

telephone number (800)424-9300 (within U.S.A.) (703)527-3887 (outside U.S.A.)

## 2. Composition / information on ingredients

Substance/Preparation : Substance

Chemical name*	CAS No.	EC Number	Symbol	R-Phrases
1) Calcium Chloride, Dihydrate, Molecular Biology Grade	10035-04-8	Not available.	Xi	R36

## 3. Hazards identification

Physical/chemical hazards

: Not applicable.

**Human health hazards** 

CAUTION!

MAY CAUSE EYE IRRITATION.

#### First-aid measures

#### First-Aid measures

Inhalation

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

Ingestion

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin Contact

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

**Eye Contact** 

: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

Effects and symptoms

Eye Contact

: Hazardous in case of eye contact (irritant).

**Aggravating conditions** 

: Repeated or prolonged exposure is not known to aggravate medical condition.

## 5. Fire-fighting measures

Flammability of the Product

: Non-flammable.

**Extinguishing Media** 

uitable : Not applicable.

**Special fire-fighting procedures** 

: Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

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#### 6. Accidental release measures

Personal precautions

Small Spill and Leak

: Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority

requirements

Large Spill and Leak

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system

## Handling and storage

Handling

: Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. If you feel unwell, seek medical attention and show the label when possible. Keep away from incompatibles such as acids.

Storage

: Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 20°C (68°F).

Packaging materials

**Recommended use** 

Use original container.

## **8.** Exposure controls/personal protection

**Engineering measures** 

: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Hygiene measures** 

: Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

#### **Ingredient Name**

#### Occupational Exposure Limits

1) Calcium Chloride, Dihydrate, Molecular Biology Grade

Not available.

#### Personal protective equipment

Skin and body

: Lab coat.

Eyes

: Splash goggles.

Protective Clothing (Pictograms)



## 9. Physical and chemical properties

Physical state

Solid. (Solid powder.)

Color

White.

Molecular Weight

147 g/mole

Solubility

Easily soluble in cold water.

Flash point

Not applicable.

**Explosive properties** 

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

## 10. Stability and reactivity

Stability

: The product is stable.

Conditions to avoid

Not available

Materials to avoid

: Reactive with acids.

## 11. Toxicological information

#### RTECS #

#### : EV9810000

#### Local effects

Skin irritation

: Not available.

Acute toxicity

LD50: Not available.

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LC50: Not available.

Chronic toxicity

: Repeated or prolonged exposure is not known to aggravate medical condition.

Other Toxic Effects on

: Not available.

Humans

Not considered to be toxic for humans.

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Not available.

Not available.

**Specific effects** 

Classified None. by NIOSH. Carcinogenic effects

**Mutagenic effects** Not available. Reproduction toxicity Not available. Teratogenic effects Not available.

### **Ecological information**

**Ecotoxicity** 

: Not available.

**Toxicity of the Products of Biodegradation** 

: The product itself and its products of degradation are not toxic.

### Disposal considerations

Methods of disposal; Waste of residues; Contaminated packaging : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

#### Transport information

International transport regulations

Land - Road/Railway

**ADR/RID Class** : Not controlled under ADR (Europe).

Sea

<u>Air</u>

**IMDG Class** Not controlled under IMDG.

**IATA-DGR Class** 

: Not controlled under IATA.

**Special Provisions for** 

**Transport** 

Not applicable.

### 15. Regulatory information

#### **EU Regulations**

Hazard symbol(s)



Classification Irritant

Risk Phrases R36- Irritating to eyes. S22- Do not breathe dust. Safety Phrases S24- Avoid contact with skin.

U.S. Federal Regulations

TSCA: No products were found.

SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: Calcium Chloride, Dihydrate, Molecular Biology Grade SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Calcium Chloride, Dihydrate,

Molecular Biology Grade: delayed health hazard

SARA 313 toxic chemical notification and release reporting: No products were found.

Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.

**HCS Classification** CLASS: Irritating substance.

**State Regulations** 

: Not controlled under WHMIS (Canada). WHMIS (Canada)

No products were found.

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## 16. Other information

Hazardous Material Information System (U.S.A.)



National Fire Protection Association (U.S.A.)



#### **Notice to Reader**

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	Date of issue	Date of issue		
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