



# 連雲港日丰钙镁有限公司

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## **Material Safety Data Sheet** **Compound coagulant**

### 1. Product Identification

Product Name: Compound coagulant  
CAS No.:  
Molecular formula:  
Molecular Name:

### 2. Composition/Information on Ingredients

Hazardous ingredient:	Magnesium chloride	Non-public
	Plant-based oils	Non-public
	water	Non-public
	Mono - and diglycerol fatty acid esters	Non-public

### 3. Hazards Identification

Entry Routes : Inhalation and ingestion.

Health Hazards: Potential Acute Health Effects: Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).  
Potential Chronic Health Effects: CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast.  
TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available.  
The substance may be toxic to heart, cardiovascular system. Repeated or prolonged exposure to the substance can produce target organs damage.

Environmental Hazards: No data

Fire & Explosion This product is non-combustible.

### 4. First Aid Measures

Skin Contact: In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Eyes 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.

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

Ingestion: Drink plenty of water. Induce vomiting and get medical care.

### 5. Fire-Fighting Measures

Hazard Description: This product is not combustible. It may release toxic fume from thermal decomposition.

Hazardous Combustion Products: Chlorine hydride and Calcium oxide.

Fire-Fighting Methods: Try to remove containers from fire area to safety places. Do not use full water jet to avoid spill fire or splashing.

Appropriate Fire Extinguishing Agents: Frog water, foam, powder and sand.

## 6. Accidental Release Measures

### Emergency Measure:

Isolate contaminated area and restrict access. Persons dealing with emergency are recommended wearing dust-proof respirators and uniforms. Do not contact leakage directly. For small leakage, just sweep it up, but avoid generating dust. Place it in bags and remove to a safe place. For large leakage, collect it for recycle or transport to waste-deposal place for appropriate disposal.

## 7. Handling and Storage

### Handling Precautions:

Handle in a confined area, but good ventilation must be quarantined. Prevent dust or powder from releasing into the air of workshops. Handling personnel must attend professional training and operate strictly according to operating instructions. Recommend wearing self-contained dust-proof respirators, safety chemical goggles, acid and alkali-resistant rubber uniforms and chemical protective gloves. Avoid generating dust. Stay away from oxidants. The storage area should be equipped with emergency equipments for leakage. The emptied containers may contain hazardous substances.

### Storage Precautions:

Store in a cool, dry and well-ventilated store room. Stay away from fire and heat sources. Avoid direct sunlight. The containers should be tightly sealed. Do not store together with oxidants. The storage area should be equipped with emergency equipments for leakage.

## 8. Exposure Control/Personal Protection

### Exposure Limits:

China MAC: Not regulated

United State TLV- Not regulated

United State TLV- Not regulated

Monitoring Method: Flame Atomic Absorption Spectrometry (FAAS) and Titan Yellow Colorimetry.

Engineering Control: Produce in a confined area and quarantine good ventilation.

Respiratory Protection: Recommend wearing self-contained dust-proof respirators when dust concentration is high in the air.

Eyes Protection: Wear chemical safety goggles.

Body Protection: Wear acid and alkali resistant rubber uniforms.

Hands Protection: Wear chemical protective gloves.

Further Information: Do not eating, drinking or smoking during working. Wash thoroughly after work. Keep good personal hygienic habits.

## 9. Physical & Chemical Properties

### Bases:

Appearance & Physical State: Milky yellow liquid

pH: Cannot be determined

Melting Point (°C): Countless data

Boiling Pint (°C): Countless data

### Relative Density

(water=1):

Relative Vapor Density (Air=1): No data

Combustion heat (kJ/mol): Not applicable

Critical pressure (MPa): Countless data

Flash Point (°C): Non-combustibility

Igniting Temperature (°C): Not applicable

Flammable/Explosive limits-Upper Vol %: Not applicable

Flammable/Explosive limits-Lower Vol %: Not applicable

Solubility: Countless data

Application: Used as Tofu coagulant

Refractive index:

## 10. Stability and Reactivity

Stability: Not applicable

Incompatible A mixture of three bromine fluoride, carbonate and lime

Conditions to avoid: Not applicable

Hazardous Will not occur.

Combustion/Decomposition Products: Chlorine hydride and Calcium oxide.

## 11. Toxicological Information

Routes of Entry: Absorbed through skin. Inhalation. Ingestion.

LC50: No data

Toxicity to Animals: Acute oral toxicity (LD50): 1000 mg/kg [Rat].

Chronic Effects on Humans: MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. May cause damage to the following organs: heart, cardiovascular system.

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).

Special Remarks on Toxicity to Animals: Lowest Published Lethal Dose: LDL [Rabbit] - Route: Oral; Dose: 1384 mg/kg

Special Remarks on Chronic Effects on Humans: May affect genetic material based on animal data. May cause cancer (tumorigenic) based on animal data.

Special Remarks on other Toxic Effects on Humans: Acute Potential Health Effects: Skin: May cause severe irritation and possible burns, especially if skin is wet. Contact with dry skin causes mild irritation. Contact of solid with moist/wet skin or skin contact with strong solutions may cause marked irritation or possible burns. Eyes: May cause severe irritation, possible transient corneal injury, and possible eye burns. Inhalation: May cause severe irritation of the upper respiratory tract with pain, inflammation and possible burns. Ingestion: May cause severe gastrointestinal (digestive) tract irritation with nausea, vomiting and possible burns. May affect cardiovascular system (cardiac

## 12. Ecological Information

Eco-Toxicity: Ecotoxicity in water (LC50): 100 mg/l 96 hours [Fish].

Biodegradability: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Non-Biodegradability: No data

Biological Accumulation: No data

Other Hazardous Effects: No data

Other Information: No data

## 13. Disposal Consideration

Waste Class: No data

Disposal Methods: Use safety burying method. Bury it in an appropriate place and try to recycle containers.

Disposal Precautions: No data

## 14. Transportation Information

Hazard Class: No data

UN Code: No data

Packing Symbol: No data

Packing Group: No data

Packing Method: No data.

#### Transportation

Attention: Check whether the package is completed or sealed before transporting; make sure there are no damage and no falling down of packages during transporting; do NOT transport together with oxidants. Stay away from direct sunlight, rain and high-temperature areas.

### 15. Regulatory Information

#### Federal and State Regulations:

TSCA 8(b) inventory: Calcium chloride,

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances

Other Classifications: WHMIS (Canada):CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):R36- Irritating to eyes. S2- Keep out of the reach of children. S22- Do not breathe dust. S24- Avoid contact with skin.

#### HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard:0

Reactivity:1

Personal Protection:0

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

Health Hazard: 2

Fire Hazard:0

Reactivity:2

Specific hazard:-

Protective Equipment: Gloves (impervious). Synthetic apron. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

The Regulations of Safe Management Regarding Dangerous Chemicals (February 17, 1987), Implementing Rules of The Regulations of Safe Management Regarding Dangerous Chemicals (1992) and The Provisions of Safe Use of Chemicals in the Workplace (1996) state some requirements for safe use, production, storage, transportation, loading/unloading, classification of dangerous chemicals.

### 16. Other Information

Issued by: quality control department

Reviewed by: business management department

Revision Date: 2025.01.01

#### Other Information:

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall ScienceLab.com be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if ScienceLab.com has been advised of the possibility of such damages.