

# Dynalene Calcium Chloride

## 1. Product and Company Identification

### 1.1 Product identifiers

Product Name: Dynalene Calcium Chloride (includes all concentrations/dyes)  
Producer: Dynalene, Inc.  
Product Number: Not available.  
CAS-No.: Not available.

### 1.2 Identified uses of the product and uses advised against

Identified Uses: Heat transfer fluid.

### 1.3 Details of the chemical supplier

Company: Dynalene, Inc.  
5250 West Coplay Road  
Whitehall, PA 18052  
USA  
Telephone: +1 610-262-9686  
Fax: +1 610-262-7437

### 1.4 Emergency telephone number

Within the U.S.: +1 800-424-9300 (CHEMTREC)  
Outside the U.S.: +1 703-527-3887 (CHEMTREC)

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

#### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Eye irritation (Category 2A), H319

### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word: Warning

Hazard statement(s)  
H319: Causes serious eye damage.

Precautionary statement(s)  
P264: Wash skin thoroughly after handling.  
P280: Wear protective gloves/clothing/eye/face protection.  
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313: If eye irritation persists: get medical advice/attention.

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None.

## 3. Composition/Information on Ingredients

### 3.1 Product mixture

Synonyms: Calcium chloride solution.  
Molecular Wt: Not available.

CAS-No.: 10043-52-4  
EC-No.: 233-140-8

<b>Ingredients</b>	<b>Classification</b>	<b>CAS-No.</b>	<b>EC-No.</b>	<b>Concentration</b>
Calcium chloride	Eye Irrit. 2A; H319	10043-52-4	233-140-8	<38%

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## 4. First Aid Measures

### 4.1 Description of first aid measures

#### **Skin exposure**

If this product contaminates the skin, wash off with soap and plenty of water. Take off contaminated clothing and shoes immediately. Consult a physician.

#### **Eye exposure**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

#### **Inhalation**

If vapors or mists of this product are inhaled, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Consult a physician.

#### **Ingestion**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. Do NOT induce vomiting.

### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and in section 11.

### 4.3 Indication of any immediate medical attention and special treatment needed

No data available.

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## 5. Fire Fighting Measures

### 5.1 Suitable (and unsuitable) extinguishing media

Suitable: Water spray, carbon dioxide, foam, dry chemical, any "ABC" class.

### 5.2 Specific hazards arising from the chemical

Hydrogen chloride gas, calcium oxide.

### 5.3 Advice for firefighters

Incipient fire responders should wear eye protection. Structural fire fighters must wear Self-Contained Breathing Apparatus and full protective equipment. Move fire-exposed containers if it can be done without risk to firefighters. If possible, prevent run-off water from entering storm drains, bodies of water, or other environmental areas.

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## 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment, and emergency procedures

Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of an uncontrolled release, clear the affected area, protect people, and respond with trained personnel.

### 6.2 Environmental precautions

Do not let product enter drains.

### 6.3 Methods and materials for containment and cleaning up

Small spill: Cover with absorbent material (floor absorbent, vermiculite, etc.). Soak up spill and place material into a drum.

Large spill: Personnel involved with large releases should wear protective equipment. Stop spill at source, dike the area surrounding the spill to prevent further exposure. Prevent material from entering sewer system. If necessary, absorbents such as vermiculite, clay floor absorbent may be used on spill and shoveled into drums.

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## 7. Handling and Storage

### 7.1 General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the day.

### 7.2 Precautions for safe handling

All employees who handle this material should be trained to handle it safely. Use in a well-ventilated location. Open drums and other containers of this product slowly, on a stable surface. Drums and other containers of this product should be properly labeled.

### 7.3 Conditions for safe storage, including any incompatibilities

Move drums of this product carefully, with the appropriate drum-handling equipment. Store drums and other containers in cool, dry locations, away from direct sunlight, or sources of intense heat. Keep containers away from incompatible chemicals.

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## 8. Exposure Controls/Personal Protection

### 8.1 Control and exposure limits recommended by the chemical manufacturer

Contains no substances with occupational exposure limit values.

### 8.2 Appropriate engineering controls

Use with adequate ventilation to minimize exposure to mists or sprays of this product. Prudent practice is to ensure eyewash/safety shower stations are available near areas where this product is used. Monitoring of oxygen level is recommended.

### 8.3 Individual protection measures, such as personal protective equipment

All personnel handling the product should use personal protective equipment level D.

#### Respiratory protection

None needed for normal circumstances of use. If respiratory protection is needed, use only protection authorized in 29 CFR 1910.134, or applicable State regulations. Use supplied air respiration protection if oxygen levels are below 19.5% or are unknown.

#### Eye protection

Wear tightly fitting safety goggle/glasses and faceshield.

#### Hand protection

Wear butyl rubber, natural rubber, neoprene, Nitrile rubber, or other suitable gloves for routine industrial use.

#### Body protection

Wear impervious clothing.

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## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

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|---------------------------|--------------------|
| a) Appearance             | Clear, liquid.     |
| b) Odor                   | Odorless.          |
| c) Odor threshold         | No data available. |
| d) pH                     | 6.0 - 8.0          |
| e) Melting/freezing point | <0°C (<32°F)       |

f) Boiling point	>100°C (>212°F)
g) Flash point	None.
h) Evaporation rate	Not available.
i) Flammability (solid, gas)	Not available.
j) Upper/lower flammability or explosive limits	Upper (UEL): Not available. Lower (LEL): Not available.
k) Vapor pressure	Not available.
l) Vapor density	Not available.
m) Relative density	1.0 – 1.2 g/cm <sup>3</sup> at 25°C (77°F)
n) Water solubility	Soluble.
o) Partition coefficient: n-octanol/water	Not available.
p) Auto-ignition temp	Not available.
q) Decomposition temp	Not available.
r) Viscosity	>1.0 cP at 25°C (77°F)

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## 10. Stability and Reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable under ordinary conditions of use and storage.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

Contact with incompatible chemicals and exposure to extremely high temperatures.

### 10.5 Incompatible materials

Strong oxidizers, strong acids, acid chlorides, acid anhydrides, chloroformates, or strong reducing agents.

### 10.6 Hazardous decomposition products

No data available. In the event of fire, see section 5.

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## 11. Toxicological Information

### 11.1 Information on toxicological effects

#### Acute toxicity

No data available.

#### Skin corrosion/ irritation

No data available.

#### Serious eye damage/eye irritation

No data available.

#### Suspected cancer agent

No component of this product present at levels greater than or equal to 0.1% is identified as carcinogenic by IARC, ACGIH, NTP, or OSHA.

#### Irritancy of product

This product may cause irritation to contaminated tissues.

**Reproductive toxicity**

This product is not reported to produce mutagenic, embryotoxic, teratogenic, or reproductive effects in humans.

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**12. Ecological Information****12.1 Ecotoxicity (aquatic and terrestrial)**

This product may be harmful to aquatic life if large quantities are released into bodies of water.

**12.2 Persistence and degradability**

No data available.

**12.3 Mobility in soil**

No data available.

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**13. Disposal Considerations****13.1 Waste treatment methods**

Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

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**14. Transport Information**

UN Number: Not applicable.

UN Proper Shipping Name: Not applicable.

Packing Group: Not applicable.

**IMDG**

Not dangerous goods.

**IATA**

Not dangerous goods.

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**15. Regulatory Information**

**SARA 302** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312** Acute Health Hazard

**Massachusetts Right**

**To Know** No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right**

**To Know** Calcium Chloride CAS-No. 10043-52-4

**New Jersey Right**

**To Know** Calcium Chloride CAS-No. 10043-52-4

**TSCA**

The following components are on the Toxic Substance Control Act Inventory: Calcium Chloride  
CAS-No. 10043-52-4

**EINECS**

None of the components of this product is on the European Inventory of Existing Commercial Chemical Substances.

**California Prop 65**

This product does not contain ingredients that cause cancer or reproductive harm known to the state of California.

**Canada DSL**      The following components of this product are on the Canadian Domestic Substance List: Calcium Chloride CAS-No. 10043-52-4

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## 16. Other Information

**Revision Date**

25 January 2019

This SDS was prepared by Dynalene, Inc.

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Dynalene Heat Transfer Fluids assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Dynalene Heat Transfer Fluids assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.