

## SAFETY DATA SHEET (SDS)

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: Calcein AM

**Company/undertaking Identification:**

Proteintech Group  
5400 Pearl Street  
STE 300  
Rosemont, IL 60018  
312-455-8498

Emergency telephone number:

312-455-8498, ext 802

### 2. HAZARDOUS IDENTIFICATION:

**GHS Classification**

Physical hazards: Flammable liquids, Category 4

Health hazards: Not Hazardous

Environmental Hazards: Not Hazardous

Additional information: Not applicable

**Label elements**

Hazard pictograms: None

Signal word: Warning

Hazard statements: H227

EU Specific Hazard Statements: Not applicable

**Precautionary Statements**

Prevention: P210, P280

Response: P370+P378

Storage: P403

Disposal: P501

Other Hazards: Not applicable

### 3. INGREDIENT COMPOSITION/INFORMATION:

Component	CAS No.	EINECS No.	Weight %
Dimethyl sulfoxide	67-68-5	200-664-3	95-100%

### 4. FIRST AID MEASURES:

Skin Contact	Wash off skin thoroughly with soap and water. Remove contaminated clothing and wash before reuse.
Eye Contact	Ensure adequate flushing of eye contamination for at least 15 minutes.
Inhalation	Remove from exposure, rest and keep warm.
Ingestion	Wash mouth out thoroughly with water and drink plenty of water.

Most important symptoms and effects: H227

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

Advice for emergency responders: For further assistance, contact your local Poison Control Center.

Protection of first-aid responders: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### 5. FIRE FIGHTING MEASURES:

Suitable extinguishing media: Water Spray, Carbon Dioxide, Dry Chemical Powder, or appropriate foam.

Unsuitable extinguishing media: No information available

Special hazards arising from the substance or mixture: Not known.  
Advice for fire-fighters: Standard procedure for chemical fires

### 6. ACCIDENTAL RELEASE MEASURES:

Wear appropriate personal protective clothing (Section 8). Mop up with an absorbent cloth and arrange removal by a disposal company. Wash site of spillage thoroughly with water and detergent and prevent further leakage or spillage if safe to do so. No special environmental precautions required.

### 7. HANDLING AND STORAGE:

Use only in area provided with exhaust ventilation. Avoid contact with skin, eyes and clothing. Wear appropriate protective clothing (Section 8). Keep container tightly closed, and in a dark, well-ventilated area. Store at -20°C.

### 8. EXPOSURE CONTROLS/PPE:

Follow good laboratory practice when handling this product.  
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice

**Recommended personal protection equipment**

Eye protection: Laboratory safety goggles.

Hands: Chemical resistant gloves.

Skin: Laboratory protective clothing.

Respiratory: Fume hood or in areas with adequate ventilation.

**Control Parameters:**

Component	CAS No	Value	Control Parameters
Dimethyl sulfoxide	67-68-5	TWA	250 ppm (US WEEL)

### 9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Colorless liquid

Odor: None

Melting point/melting range: Untested

Boiling point/boiling range: Untested

Flash point: Untested

Autoignition temperature: Untested

Decomposition temperature: Untested

Evaporation rate: Untested

Flammability: Untested

Upper explosion limit: Untested

Lower explosion limit: Untested

Vapor pressure: Untested

Relative density: Untested

Specific gravity: Untested

Solubility: Untested

Partition coefficient: Untested

Explosive properties: Untested

### 10. CHEMICAL STABILITY AND REACTIVITY:

Reactivity: None known  
Chemical stability: Stable under normal conditions  
Possibility of hazardous reactions: None reported  
Conditions to avoid: No data available  
Incompatible materials: None reported  
Hazardous decomposition products: No data available

#### 11. TOXICOLOGICAL INFORMATION:

Inhalation: May be irritating to mucous membranes and upper respiratory tract.  
Eye contact: May cause irritation  
Skin contact: May cause irritation  
Ingestion: May be harmful if swallowed  
Carcinogenic effects: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, IARC, and OSHA's list of regulated carcinogens.  
Mutagenic effects: Not available  
Reproductive toxicity: Not available  
STOT – Single exposure: Not available  
STOT – Repeated exposure: Not available  
Teratogenic effects: Not available

#### 12. ECOLOGICAL INFORMATION:

Component: Dimethylsulfoxide  
Toxicity to fish – Danio rerio – 25,000 mg/L – 96h  
Toxicity to invertebrates – Daphnia magna – 24,600 mg/L – 48h  
Toxicity to algae – Pseuokirchneriella subcapitata – 17,000 mg/L – 72h  
Toxicity to bacteria – activated sludge – 10-100mg/L – 30 min  
Biodegradability – Not readily biodegradable.

#### 13. DISPOSAL CONSIDERATIONS:

Dispose of waste in accordance with local and national regulations.

#### 14. TRANSPORT INFORMATION:

Not classified as dangerous in the meaning of transport regulations.

#### 15. REGULATORY INFORMATION:

SARA 313: This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants: This product does not contain HAPs.

US State Regulations

California Proposition 65: This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class: Non-controlled

#### 16. OTHER INFORMATION:

Reason for revision: New product  
Revision number: 1  
Revision: 2/4/2021

The above information is believed to be correct but should only be used as a guide for experienced personnel. Proteintech Group Inc. will not be liable for any damage resulting from the handling of or from contact with the above product.

*For lab use only, not for diagnostic or therapeutic work.*

## SAFETY DATA SHEET (SDS)

### 17. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: EthD-1

#### Company/undertaking Identification:

Proteintech Group  
5400 Pearl Street  
STE 300  
Rosemont, IL 60018  
312-455-8498

Emergency telephone number:  
312-455-8498, ext 802

### 18. HAZARDOUS IDENTIFICATION:

#### GHS Classification

Physical hazards: Flammable liquids, Category 4

Health hazards: Not Hazardous

Environmental Hazards: Not Hazardous

Additional information: Not applicable

#### Label elements

Hazard pictograms: None

Signal word: Warning

Hazard statements: H227

EU Specific Hazard Statements: Not applicable

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Response: P370+P378

Storage: P403

Disposal: P501

Other Hazards: Not applicable

### 19. INGREDIENT COMPOSITION/INFORMATION:

Component	CAS No.	EINECS No.	Weight %
Dimethyl sulfoxide	67-68-5	200-664-3	95-100%

### 20. FIRST AID MEASURES:

Skin Contact	Wash off skin thoroughly with soap and water. Remove contaminated clothing and wash before reuse.
Eye Contact	Ensure adequate flushing of eye contamination for at least 15 minutes.
Inhalation	Remove from exposure, rest and keep warm.
Ingestion	Wash mouth out thoroughly with water and drink plenty of water.

Most important symptoms and effects: H227

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

Advice for emergency responders: For further assistance, contact your local Poison Control Center.

Protection of first-aid responders: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### 21. FIRE FIGHTING MEASURES:

Suitable extinguishing media: Water Spray, Carbon Dioxide, Dry Chemical Powder, or appropriate foam.

Unsuitable extinguishing media: No information available

Special hazards arising from the substance or mixture: Not known.

Advice for fire-fighters: Standard procedure for chemical fires

### 22. ACCIDENTAL RELEASE MEASURES:

Wear appropriate personal protective clothing (Section 8). Mop up with an absorbent cloth and arrange removal by a disposal company. Wash site of spillage thoroughly with water and detergent and prevent further leakage or spillage if safe to do so. No special environmental precautions required.

### 23. HANDLING AND STORAGE:

Use only in area provided with exhaust ventilation. Avoid contact with skin, eyes and clothing. Wear appropriate protective clothing (Section 8).

Keep container tightly closed, and in a dark, well-ventilated area. Store at -20°C.

### 24. EXPOSURE CONTROLS/PPE:

Follow good laboratory practice when handling this product.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice

#### Recommended personal protection equipment

Eye protection: Laboratory safety goggles.

Hands: Chemical resistant gloves.

Skin: Laboratory protective clothing.

Respiratory: Fume hood or in areas with adequate ventilation.

#### Control Parameters:

Component	CAS No	Value	Control Parameters
Dimethyl sulfoxide	67-68-5	TWA	250 ppm (US WEEL)

### 25. PHYSICAL AND CHEMICAL PROPERTIES:

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Relative density: Untested

Specific gravity: Untested

Solubility: Untested

Partition coefficient: Untested

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## 26. CHEMICAL STABILITY AND REACTIVITY:

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Conditions to avoid: No data available  
Incompatible materials: None reported  
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Toxicity to bacteria – activated sludge – 10-100mg/L – 30 min  
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