

# SAFETY DATA SHEET (SDS)



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**Product Name:** CHOgro® Complex Formation Solution

**Product Number:** MIR 6210

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## 1. PRODUCT AND COMPANY IDENTIFICATION

1.1. **Product Name:** CHOgro™ Complex Formation Solution

1.2. **Product Numbers:** MIR 6210

1.3. **Identified Product Use:** For research use only

1.4. **Supplier Details:**

1.4.1. **Company:** Mirus Bio LLC, 545 Science Drive, Madison, WI 53711, USA

1.4.2. **Telephone:** 888.530.0801 (Toll Free within the U.S.) or +1.608.441.2852

1.4.3. **Fax:** +1.608.441.2849

1.4.4. **Emergency Phone No.:** US and Canada: 1.800.633.8253; International: +1.801.629.0667

1.5. **Precautionary Labeling:** The components of CHOgro Complex formation Solution (< 65% by weight) are potentially harmful, although the chemical, physical, and toxicological properties have not been thoroughly investigated by Mirus Bio LLC. Handle with care, and practice safe laboratory techniques.

## 2. HAZARDS IDENTIFICATION

2.1. **Classification of the substance or mixture:**

Not a hazardous substance or mixture.

2.2. **GHS label elements, including precautionary statements:**

Not a hazardous substance or mixture.

2.3. **Other Hazards which do not result in the classification or are not covered by GHS:** None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. **Substances (Mixtures)**

Chemical Name	CAS-No	EINECS-No	Common Name(s)	Weight %
Proprietary	n/a	n/a	n/a	</65% w/v
Water	7732-18-5	231-791-2	n/a	</35% v/v

**Impurities and stabilizing additives which are themselves classified and which contribute to the classification of the substance:** None

## 4. FIRST AID MEASURES

4.1. **Description of first aid measures:**

**General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2. **Most important symptoms/effects, acute and delayed**

See sections 2 and 11 (hazard and toxicological information) for the most important symptoms and effects.

**4.3. Indication of immediate medical attention and special treatment needed, if necessary**

No data available

**5. FIRE-FIGHTING MEASURES**

**5.1. Extinguishing media**

**5.1.1. Suitable Extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

**5.1.2. Unsuitable extinguishing media**

None

**5.2. Specific hazards arising from the substance or mixture**

No data available

**5.3. Special protective equipment and precautions for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary

**5.4. Further information:** None

**6. ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection, refer to section 8.

**6.2. Environmental precautions**

Do not let product enter drains.

**6.3. Methods and Materials for Containment and cleaning up**

Soak up with inert absorbent material (e.g. vermiculite, sand or earth), and dispose of per regulations. Keep in suitable, closed containers for disposal.

**6.4. References to other sections**

For disposal see section 13.

**7. HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

Avoid inhalation of vapor or mist. Avoid contact with skin and eyes. For precautions see section 2.2.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters e.g. occupational exposure limit values or biological limit values.**

Contains no substances with occupational exposure limit values.

**8.2. Appropriate engineering controls.**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas.

**8.3. Individual protection measures, such as personal protective equipment.**

Personal protective equipment:

Avoid all unnecessary exposure.

Materials for protective clothing:

Wear appropriate protective gloves to prevent skin exposure

Hand protection:	Always wear gloves.
Eye protection:	Tightly fitting safety glasses with side shields.
Skin and body protection:	Protective clothing.
Respiratory protection:	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Other information:	Do not allow product to enter drains.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1. **Appearance (physical state, color etc.):** Form: liquid  
Color: light yellow, clear
- 9.2. **Odor:** No data available
- 9.3. **Odor threshold:** No data available
- 9.4. **pH:** 7-7.4
- 9.5. **Melting point/freezing point:** No data available
- 9.6. **Initial boiling point and boiling range:** No data available
- 9.7. **Flash point:** No data available
- 9.8. **Evaporation rate:** No data available
- 9.9. **Flammability (solid, gas):** No data available
- 9.10. **Upper/lower flammability or explosive limits:** No data available
- 9.11. **Vapor pressure:** No data available
- 9.12. **Vapor density:** No data available
- 9.13. **Relative density:** No data available
- 9.14. **Solubility(ies):** water soluble
- 9.15. **Partition coefficient:** No data available
- 9.16. **Auto-ignition temperature:** No data available
- 9.17. **Decomposition temperature:** No data available
- 9.18. **Viscosity:** No data available
- 9.19. **Other information:** No data available

## 10. STABILITY AND REACTIVITY

- 10.1. **Reactivity:** No data available
- 10.2. **Chemical stability:** Stable under recommended storage conditions.
- 10.3. **Possibility of hazardous reactions:** No data available
- 10.4. **Conditions to avoid (e.g. static discharge, shock or vibration):** No data available
- 10.5. **Incompatible materials:** Strong oxidizing agents
- 10.6. **Hazardous decomposition products:** No data available. In the event of a fire: see section 5

## 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

**Respiratory or skin sensitization:** No data available

**Germ cell mutagenicity:** No data available

### **Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable,

possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** No data available

**Specific target organ toxicity - single exposure:** No data available

**Specific target organ toxicity - repeated exposure:** No data available

**Aspiration hazard:** No data available

**Additional Information:** None.

## 12. ECOLOGICAL INFORMATION

**12.1. Ecotoxicity (aquatic and terrestrial, where available):** No data available

**12.2. Persistence and degradability:** No data available

**12.3. Bioaccumulative potential:** No data available

**12.4. Mobility in the soil:** No data available

**12.5. Other adverse effects:** No data available

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste Treatment Recommendations:

Remove waste in accordance with local and/or national regulations. Offer surplus and non-recyclable solutions to a licensed disposal company.

## 14. TRANSPORT INFORMATION

**14.1. UN number:** Not classified as a hazardous good

**14.2. UN proper shipping name:** Not classified as a hazardous good

**14.3. Transport hazard class(es):** Not classified as a hazardous good

**14.4. Packing group, if applicable:** Not classified as a hazardous good

**Special precautions which a user needs to be aware of, or needs to comply with, in connection with the transport or conveyance within or outside their premises:** This product is not classified as hazardous according to DOT, IMDG, and IATA regulations.

## 15. REGULATORY INFORMATION

**15.1. Safety, health and environmental regulations specific for the product in question:**

### **SARA 302/313 Components**

SARA 302: This material is not 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 reporting levels established by SARA Title III, Section 313.

### **SARA 311/312 Hazards**

Acute health hazards

**California Prop. 65 Components:** This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

## 16. OTHER INFORMATION

**Full text of H-Statements referred to under sections 2 and 3.**

**HMIS Rating**

Health hazard: 1

Chronic Health Hazard:

Flammability: 0

Physical Hazard 0

**NFPA Rating**

Health hazard: 1

Fire Hazard: 0

Reactivity Hazard: 0

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