



| GESOLGEL™ MTC     |             |
|-------------------|-------------|
| Safety Data Sheet | CN-G043-SDS |

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## 1. Identification

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**Production Name:** GESOLGEL™ MTC

**Catalog Number:** G043

**Company:** Plant Cell Technology

**Address:** 836 South 100 East, Smithfield UT 84335

**Telephone:** 435.534.8700

**Emergency Contact, US:** CHEMTREC 800.424.9300 (24/7)

**Emergency Contact, International:** CHEMTREC 703.527.3887 (24/7)

**Recommended Use:** For research and laboratory use only.

**Restrictions on Use:** This product is intended for research and laboratory use only. This product is not to be used as human or animal therapeutics, cosmetics, pesticidal products, food additives, or household chemicals.

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## 2. Hazards Identification

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### Classification of the Substance or Mixture

**GHS Classification:**

H303 – Acute Toxicity, Oral (Category 5)

H313 – Acute Toxicity, Dermal (Category 5)

H320 – Causes Eye Irritation (Category 2B)

H333 – Acute Toxicity, Inhalation (Category 5)

### GHS Label Elements, Including Precautionary Statements

**Signal Word:** Warning

**Hazard Statements:**

H303 – May be harmful if swallowed.

H313 – May be harmful in contact with skin.

H320 – Causes eye irritation.

H333 – May be harmful if inhaled.

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**Precautionary Statements:**

P264 + P265 – Wash hands thoroughly after handling. Do not touch eyes.

P301 + P317 – IF SWALLOWED: Get medical help.

P302 + P317 – IF ON SKIN: Get medical help.

P304 + P317 – IF INHALED: Get medical help.

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 + P317 – If eye irritation persists: Get medical help.

**Pictograms:** N/A

### 3. Composition / Information on Ingredients

**Synonyms:** Gellan Gum

**Formula:** N/A

**Molecular Weight:** N/A

**CAS-No:** 71010-52-1

**EC-No:** 275-117-5

| Component     | CAS Number | EC Number | Concentrations (% w/w) | Classification                                                                                                                  |
|---------------|------------|-----------|------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| GESOLGEL™ MTC | 71010-52-1 | 275-117-5 | ≤ 100%                 | Acute toxicity, oral 5; Acute toxicity dermal 5; Causes eye irritation 2B; Acute toxicity, inhalation 5: H303; H313; H320; H333 |

### 4. First Aid Measures

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

**Route of Exposure**

**If Swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Do not induce vomiting. Get medical attention.

**In Case of Skin Contact:** Wash area thoroughly with soap and water. Remove and wash contaminated clothing. Get medical attention if irritation persists.



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**In Case of Eye Contact:** In case of contact with eyes, flush with copious amounts of water for at least 20 minutes. Ensure adequate flushing by separating the eyelids. Get medical attention if irritation persists.

**If Inhaled:** Safely remove victim to fresh air. If not breathing, institute cardiopulmonary resuscitation (CPR). If breathing is difficult, give oxygen. Get medical attention if symptoms persist.

**Most Important Symptoms and Effects, Both Acute and Delayed:** The most important known symptoms and effects are described in Section 2 (Hazards Identification) and/or in Section 11 (Toxicological Information).

**Recommendation for Immediate Medical Care and Special Treatment Needed:** No Data Available

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## 5. Firefighting Measures

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**Suitable Extinguishing Media:** Use alcohol-resistant foam or carbon dioxide for large fires. Use dry chemical for small fires. Do not use water jet.

**Unsuitable Extinguishing Media:** Water jet

**Special Protective Equipment and Precautions for Firefighters:** Firefighters should wear full fire-fighting turn-out (Bunker) gear, including NIOSH or equivalent approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

**Special Hazards Arising from the Substance or Mixture:** No Data Available

**Additional Information:** No Data Available

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## 6. Accidental Release Measures

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**Personal Precautions, Protective Equipment and Emergency Procedures:** Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

**Environmental Precautions:** Prevent further leakage or spillage if safe to do so. See Section 2 (Hazards Identification) for more information.

**Methods and Material for Containment and Cleanup:**

**Small Spill:** Use appropriate tools to place 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.



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**Large Spill:** 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.

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## 7. Handling and Storage

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**Precautions for Safe Handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.

**Conditions for Safe Storage:** Keep in a tightly closed container and store in a cool, dry, and well-ventilated area. Avoid excessive heat. Do not handle or store near open flame, heat or other sources of ignition.

**Recommended Storage Temperature:** 15° to 30°C

**Incompatibilities:** No Data Available

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## 8. Exposure Controls / Personal Protection

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**OSHA Permissible Exposure Limits (PELs):** Follow all applicable federal, state, and local regulations in regard to Permissible Exposure Limits (PELs).

**ACGIH Threshold Limit Values (TLVs):** Follow all applicable federal, state, and local regulations in regard to Threshold Limit Values (TLVs).

**Engineering Controls:** Practice general industrial hygiene. Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment (PPE):**

**Eye/Face Protection:** Face shield or appropriate safety glasses. Use equipment for eye protection tested and approved under appropriate standards.

**Skin Protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Respiratory Protection:** Where exposure likely exceeds acceptable criteria, use NIOSH/OSHA-approved respiratory equipment.

**Body Protection:** Wear lab coat, gown, or coveralls to protect from exposure.

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## 9. Physical and Chemical Properties

**Appearance:** White to Off-White Powder

**Boiling Point, Initial:** No Data Available

**Boiling Range:** No Data Available

**Evaporation Rate:** No Data Available

**Flammability (Solid, Gas):** No Data Available

**Flammability Lower Limit:** No Data Available

**Flammability Upper Limit:** No Data Available

**Flash Point:** No Data Available

**Freezing Point:** No Data Available

**Melting Point:** No Data Available

**Melting Range:** No Data Available

**Odor:** No Data Available

**Odor Threshold:** No Data Available

**Partition Coefficient:** No Data Available

**pH:** 7 (1%, H<sub>2</sub>O)

**Relative Density:** No Data Available

**Solubility:** Partially Soluble in Cold Water

**Specific Gravity:** No Data Available

**Temperature, Auto-Ignition:** No Data Available

**Temperature, Decomposition:** No Data Available

**Vapor Density:** No Data Available

**Vapor Pressure:** No Data Available

**Viscosity:** No Data Available

## 10. Stability and Reactivity

**Reactivity:** No Data Available

**Chemical Stability:** Stable under recommended storage conditions.

**Possibilities of Hazardous Reactions:** No Data Available

**Conditions to Avoid:** Excessive heat

**Incompatible Materials:** No Data Available

**Hazardous Decomposition Products:** Hazardous decomposition products formed under fire conditions. – No Data Available

In the event of fire, see Section 5 (Firefighting Measures).



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## 11. Toxicological Information

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**Toxicity:** Oral (LD50) – Rat – Result: > 5000 mg/kg

**Carcinogenicity:**

**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.

**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.

**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

**Immediate Effects of Exposure:** No Data Available

**Delayed Effects of Exposure:** No Data Available

**Chronic Effects of Short Term Exposure:** No Data Available

**Chronic Effects of Long Term Exposure:** No Data Available

**Symptoms Associated with Overexposure:** No Data Available

**Specific Target Organ Toxicity – Single Exposure:** No Data Available

**Specific Target Organ Toxicity – Repeated Exposure:** No Data Available

**Target Organs:** None Identified

**Medical Conditions Aggravated by Exposure:** None Identified

**Likely Routes of Exposure:**

**Eye Contact:** Causes eye irritation.

**Ingestions:** May be harmful if swallowed.

**Inhalation:** May be harmful if inhaled.

**Skin Contact:** May be harmful in contact with skin.

**NIOSH/RTECS:** Not Available



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## 12. Ecological Information

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**Toxicity:** No Data Available

**Persistence and Degradability:** No Data Available

**Bioaccumulative Potential:** No Data Available

**Mobility in Soil:** No Data Available

**Results of PBT and vPvB:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

**Other Adverse Effects:** No Data Available

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## 13. Disposal Considerations

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**Disposal of Product:** Dispose in accordance with all applicable federal, state, and local environmental regulations. See Section 2 (Hazards Identification) for additional guidelines in disposals.

**Disposal of Packaging:** Dispose of as unused product.

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## 14. Transport Information

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**DOT (US):**

Proper Shipping Name: CHEMICALS, N.O.S. (NON-REGULATED)

UN/NA number: N/A    Class: N/A    Packaging group: N/A    Hazard Label: N/A

Reportable Quantity (RQ): N/A

Poison Inhalation Hazard: N/A

**IMDG:**

Proper Shipping Name: CHEMICALS, N.O.S. (NON-REGULATED)

UN number: N/A    Class: N/A    Packaging group: N/A    Hazard Label: N/A

**IATA:**

Proper Shipping Name: CHEMICALS, N.O.S. (NON-REGULATED)

UN Number: N/A    Class: N/A    Packaging group: N/A    Hazard Label: N/A



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## 15. Regulatory Information

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**TSCA:** Not Listed

**SARA Title III:**

**Section 302 (EHS) Ingredients:** None

**Section 304 (EHS/CERCLA) Ingredients:** None

**Section 311/312 Hazard:** None

**Section 313 Ingredients:** None

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## 16. Other Information

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**Further Information:** All chemicals may pose unknown hazards and should be used with caution. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Plant Cell Technology, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.

**CN-G043-SDS** Revision Change Summary:

| Rev. | Date      | CR#  | Approved     | Change description |
|------|-----------|------|--------------|--------------------|
| 00   | 27-May-25 | 0062 | C. Gallagher | New Document       |