

MATERIAL SAFETY DATA SHEET

Prepared according to 1907/2006/EC

Version 1.1
Revision Date 11/09/09

1. PRODUCT AND COMPANY IDENTIFICATION

- **Product name :** GeneCellin™ Transfection Reagent
- **Product numbers :** GC50 / GC500 / GC1000 / GC5000
- **Application of the substance / the preparation:** Laboratory chemicals
- **Company:** BioCellChallenge SAS
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2. HAZARDS IDENTIFICATION

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3. COMPOSITION / INFORMATION ON INGREDIENTS

- **Description:** solution, consisting of the following ingredients.

Ingredients	CAS number	EINECS	concentration
Water	7732-18-5	231-791-2	> 95%
Other ingredients			< 5%

- Other ingredients: ingredients not listed here are not dangerous or their concentrations do not exceed the limits specified in the EU directive 1999/45/EC.

4. FIRST AID MEASURES

- **If inhaled:**
Remove to fresh air. If breathing becomes difficult, call a physician.
 - **In case of skin contact:**
Immediately wash skin with soap and copious amounts of water.
 - **In case of eye contact:**
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.
 - **If swallowed:**
Never give anything by mouth to an unconscious person. Wash out mouth with water provided person is conscious.
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5. FIRE-FIGHTING MEASURES

- **Flammable properties:**
 - Flash point: not available.
 - Ignition temperature: not available.
 - **Suitable extinguishing media:**
Use carbon dioxide, dry chemical powder, or appropriate foam.
 - **Special protective equipment for fire fighters:**
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
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6. ACCIDENTAL RELEASE MEASURES

- **Personal precautions:** Not required.
 - **Environmental precautions:** Dilute with plenty of water.
 - **Measures for cleaning up:**
Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.
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7. HANDLING AND STORAGE

- **Handling:** Avoid breathing vapors or spray mists.
 - **Storage:** Keep container tightly closed at 2-8°C.
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

The product does not contain substances with occupational exposure limit values.

- **Personal protective equipment:**
 - **Respiratory protection:** Respiratory protection is not required.
 - **Protection of body :** Lab coat and gloves.
 - **Eye protection:** Safety glasses.
 - **General hygiene measures:** Follow good laboratory practices when handling this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance**
 - **Form:** Solution.
 - **colour:** Colourless.
 - **odour:** Odourless.
- **pH:** Not available.
- **Melting Point:** Not available.
- **Boiling Point:** Not available.
- **Flash Point:** Not available.
- **Ignition Temperature:** Not available.
- **Lower Explosion Limit:** Not available.
- **Upper Explosion Limit:** Not available.
- **Density:** Not available.
- **Water Solubility / Miscibility:** Fully miscible.

10. STABILITY AND REACTIVITY

- **Storage stability:** Stable under recommended storage conditions.
- **Condition to avoid:** No decomposition if used according to specifications.
- **Materials to avoid:** Strong oxidizing agents.
- **Hazardous polymerization:** Will not occur.
- **Hazardous decomposition products:** Hazardous decomposition products formed under fire conditions: carbone oxides.

11. TOXICOLOGICAL INFORMATION

- **Acute toxicity:** No data available.
- **Irritation:** No irritating effect known.
- **Sensitization :** No Sensitizing effects known.
- **Chronic exposure:** No ingredient of this product is identified as probable, possible or confirmed human carcinogen by IARC, by ACGIH, by NTP, by OSHA.
- **Route of exposure:**
 - **Skin Contact:** May cause skin irritation.
 - **Skin Absorption:** May be harmful if absorbed through the skin.

- **Eye Contact:** May cause eye irritation.
- **Inhalation:** May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.
- **Ingestion:** May be harmful if swallowed.

12. ECOLOGICAL INFORMATION

- **Elimination information (persistence and degradability):** No data available.
- **Ecotoxicity effects:** No data available.
- **Further information on ecology:** No data available.

13. DISPOSAL CONSIDERATIONS

- **Product:**
Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations.
- **Contaminated packaging:**
Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

- **RID/ADR:** Non-hazardous for road transport.
- **IMDG:** Non-hazardous for sea transport.
- **IATA:** Non-hazardous for air transport.

15. REGULATORY INFORMATION

- **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations under EU Directives.

16. OTHER INFORMATION

- **Warranty:**
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. BioCellChallenge SAS shall not be held liable for any damage resulting from handling or from contact with the above product.
- **Disclaimer:** For R&D use only. Not for drug, household or other uses.