

MATERIAL SAFETY DATA SHEET
 According to 91/155 EEC

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1	Product name / Code:	SYBR® Green I	free sample
1.2.	Recommended use:	In-vitro diagnostic	
1.3.	Manufacturer:	Technoclone GmbH Brunner Str. 59/5 1230 Vienna AUSTRIA Tel. + 43 1 86373 - 0 Fax + 43 1 86373 - 44	
1.4.	Emergency Phone:	+43 1 86373 -10	

2. COMPOSITION, INFORMATION ON INGREDIENTS

2.1 Article contains:

Component A : SYBR® Green I nucleic gel stain

This product does not contain any hazardous components above 1% or any carcinogens above 0,1% as defined in 29 CFR 1910.1200 (OSHA Hazard Communication Standard)

Component B: dimethylsulfoxid (DMSO) 5 µL

The following pages refer to component B.

Hazard classification: None
CAS No. 67-68-5

3. HAZARDS IDENTIFICATION

3.1	Emergency overview:	Liquid solution. Presents little hazard if spilled or in fire.
3.2	Health Hazard:	Irritations to eyes and skin.

4. FIRST-AID MEASURES

4.1	General:	Miscible with water.
4.2	Eyes:	Flush eyes with water. If persistent irritation occurs, seek medical advice.
4.3	Skin contact:	Wash with water.
4.4	Ingestion:	Wash mouth thoroughly with water and drink water. If substance has been swallowed, drink large quantities of water.
4.5	Inhalation:	Fresh air, keep airways free.

5. FIRE-FIGHTING MEASURES

5.1	Extinguishing media:	Use extinguishing media appropriate for surrounding fire.
5.2	Flammable properties:	Combustible, keep away from sources of ignition.

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6. ACCIDENTAL RELEASE MEASURES

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| 6.1 | Personal precautions: | Wear gloves, avoid substance contact. Do not inhale vapours aerosols. |
| 6.2 | Cleanup procedures: | Take up with liquid absorbent material.
Forward for disposal.
Clean up affected area. |

7. HANDLING AND STORAGE

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| 7.1 | Handling precautions: | No special precautions |
| 7.2 | Storage precautions: | Store tightly closed Dry. In a well ventilated place. Store small aliquots at - 20°C. |

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

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| 8.1 | Ventilation: | No particular ventilation requirements. |
| 8.2 | Protection of hands: | The glove material has to be impermeable and resistant to the product/the substance/the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture |
| | Material of gloves: | The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application |
| | Penetration time of glove material: | The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed. |
| 8.3 | Eye protection: | Eye protection is required. |
| 8.4 | Protective clothing: | Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. |
| 8.5 | General protective and hygienic measures: | The usual precautionary measures are to be adhered to when handling chemicals. |

9. PHYSICAL AND CHEMICAL PROPERTIES

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| 9.1 | Appearance: | Liquid |
| 9.2 | Color: | Colorless |
| 9.3 | Solubility: | Miscible with water |
| 9.4 | Specific gravity: | Not applicable |
| 9.5 | pH-value: | Not applicable |

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10. STABILITY AND REACTIVITY

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|------|---------------------------|---|
| 10.1 | Conditions to be avoided: | Strong heating |
| 10.2 | Substances to be avoided: | Alkali metals, hydrides, nitrates, halogenic compounds, strong oxidizing agents |
| 10.3 | Further information: | Hygroscopic, inflammable, solvent |

11. TOXICOLOGICAL INFORMATION

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| 11.1 | Acute Toxicity: | |
| 11.2 | LD 50 (oral, rat): | 14500 mg/kg |
| 11.3 | LD 50 (dermal, rat): | 40000mg/kg |
| 11.4 | Skin Effects: | Irritations |
| 11.5 | Eye Effects: | Irritations |

The product should be handled with the care usual when dealing with chemicals.

12. ECOLOGICAL INFORMATION

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| 12.1 | Summary: | This product is readily miscible with water, rapidly degraded and biodegradable. Low bioaccumulation potential. |
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13. DISPOSAL CONSIDERATION

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| 13.1 | General information: | Disposal should be made in accordance with existing local disposal practices for chemicals. |
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14. TRANSPORT INFORMATION

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| 14.1 | General Information: | Transportation of the product is not regulated by ADR. |
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15. REGULATORY INFORMATION

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| 15.1 | Safety rules: | Not regulated under the European Community Directive 93/21/EC. |
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16. OTHER INFORMATION

This Safety Data Sheet complies with the European Community Directive 93/112/EC amended 91/155/EC.

All information and instructions provided in this Safety Data Sheet are based on the current state of scientific and technical knowledge at the date indicated on this Safety Data Sheet. Technoclone GmbH shall not be held responsible for any defect in the product covered by this Safety Data Sheet, should the existence of such a defect not be detectable considering the current state of scientific and technical knowledge.

It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.