

MATERIAL SAFETY DATA SHEET
 According to 1907/2006/EG

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- 1.1 Product name / Code: Imidazole Buffer (25 mL) REF 5410008
 Imidazole Buffer (50 mL) REF 5410010
 Imidazole Buffer (90 mL) REF 5410012
 Imidazole Buffer (500 mL) REF 5410014
- 1.2. Recommended use: For research use only
- 1.3. Manufacturer: Technoclone GmbH
 Brunner Str. 67
 1230 Vienna
 AUSTRIA
 Tel. + 43 1 86373 - 0
 Fax + 43 1 86373 - 44
- 1.4 Emergency Email: sales@technoclone.com
- 1.5 Emergency Phone: +43 1 86373 -10 (08:00 a.m.– 4:00 pm)

2. HAZARDS IDENTIFICATION

- 2.1. Classification: No hazardous product according to 1907/2006/EG

3. COMPOSITION, INFORMATION ON INGREDIENTS

- 3.1 Articles contain:

Substance	CAS No.	Concentration
Imidazole	288-32-4	< 1%
Sodium Chloride	7647-14-5	< 1%
H ₂ O	7732-18-5	>99%

REF	Volume
5410008	25 mL
5410010	50 mL
5410012	90 mL
5410014	500 mL

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: Drink water, seek medical advice

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5. FIRE-FIGHTING MEASURES

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| 5.1 | Extinguishing media: | No limitation |
| 5.2 | Flammable properties: | Not combustible |

6. ACCIDENTAL RELEASE MEASURES

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|-----|-----------------------|-----------------------------|
| 6.1 | Personal precautions: | No special precautions |
| 6.2 | Cleanup procedures: | Take up and wipe with water |

7. HANDLING AND STORAGE

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|-----|-----------------------|------------------------|
| 7.1 | Handling precautions: | No special precautions |
| 7.2 | Storage: | Store at +2 – 8 °C |

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

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|-----|---|---|
| 8.1 | General protective and hygienic measures: | The usual precautionary measures are to be adhered to when handling biological material. |
| 8.2 | Eye protection: | Eye protection is recommended. |
| 8.3 | Protection of hands: | The glove material has to be impermeable and resistant to the product/the substance/the preparation. |
| | Material of gloves: | Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture |
| | Penetration time of glove material: | 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 |
| | | The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed. |
| 8.4 | Protective clothing: | Protective clothing is not necessary. |
| 8.5 | Ventilation: | No particular ventilation requirements. |

9. PHYSICAL AND CHEMICAL PROPERTIES

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|-----|-------------|---------------------|
| 9.1 | Appearance: | liquid |
| 9.2 | Colour: | Colourless |
| 9.3 | Odour: | Odourless |
| 9.4 | Solubility: | Miscible with water |
| 9.5 | Viscosity: | No data available |
| 9.6 | pH-value: | neutral |

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10. STABILITY AND REACTIVITY

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|------|-----------------------------------|---------------------------------|
| 10.1 | Hazardous reactions: | None known if handled correctly |
| 10.2 | Hazardous decomposition products: | None |

11. TOXICOLOGICAL INFORMATION

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|------|------------------------------------|--|
| 11.1 | Acute toxicity: | Not known |
| 11.2 | Skin effects: | Not known |
| 11.3 | Eye effects: | Not known |
| 11.4 | Further toxicological information: | No cases of intoxication known so far. |

12. ECOLOGICAL INFORMATION

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| 12.1 | Summary: | This product is readily miscible with water, rapidly degraded and biodegradable. |
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13. DISPOSAL CONSIDERATIONS

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| 13.1 | General information: | No special disposal measures |
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14. TRANSPORT INFORMATION

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| 14.1 | General information: | Not subject to transport regulations |
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15. REGULATORY INFORMATION

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| 15.1. Safety rules: | Not subject to regulation under the European Community Directive 93/21/EEC about transport and labeling dangerous substances. |
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16. OTHER INFORMATION

This Safety Data Sheet complies with the European Community Directive 1907/2006/EG.

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.