

MATERIAL SAFETY DATA SHEET
 According to 91/155 EEC

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- 1.1 Product name / Code: Ca-Chloride solution 3,2 mmol/L (100 mL) REF 5275050
 Ca-Chloride solution 25 mmol/L (100 mL) REF 5277015
 Ca-Chloride solution 25 mmol/L (25 mL) REF 5277017
 Ca-Chloride solution 50 mmol/L (100 mL) REF 5279025
 Ca-Chloride solution 50 mmol/L (25 mL) REF 5279027
- 1.2. Recommended use: For research use only
- 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:
 Each product contains 1 bottle of Calcium chloride solution in different concentrations
 (see above)
- Hazard classification: None
- CAS No: None

3. HAZARDS IDENTIFICATION

- 3.1 Emergency overview: No special precautions
- 3.2 Health hazard: Presents little hazard if spilled or in fire

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, and wipe with skin disinfectant
- 4.4 Ingestion: Drink water, seek medical advice

5. FIRE-FIGHTING MEASURES

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

MATERIAL SAFETY DATA SHEET
 According to 91/155 EEC

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

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

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

- | | | |
|-----|---|---|
| 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. |
| | 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. |
| 8.3 | Eye protection: | Eye protection is recommended. |
| 8.4 | Protective clothing: | Protective clothing is not necessary. |
| 8.5 | General protective and hygienic measures: | The usual precautionary measures are to be adhered to when handling chemicals. |

9. PHYSICAL AND CHEMICAL PROPERTIES

- | | | |
|-----|-------------|---------------------|
| 9.1 | Appearance: | Solid |
| 9.2 | Colour: | Colourless |
| 9.3 | Odour: | Odourless |
| 9.4 | Solubility: | Miscible with water |
| 9.5 | Viscosity: | No data available |
| 9.6 | pH-value: | 7,5 |

10. STABILITY AND REACTIVITY

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

MATERIAL SAFETY DATA SHEET
According to 91/155 EEC

11. TOXICOLOGICAL INFORMATION

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

12.1	Summary:	This product is readily miscible with water, rapidly degraded and biodegradable.
------	----------	--

13. DISPOSAL CONSIDERATIONS

13.1	General information:	No special disposal measures
------	----------------------	------------------------------

14. TRANSPORT INFORMATION

14.1	General information:	Not subject to transport regulations
------	----------------------	--------------------------------------

15. REGULATORY INFORMATION

15.1	Safety rules:	Not regulated under the European Community Directive 93/21/EEC
------	---------------	--

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.