

MATERIAL SAFETY DATA SHEET
According to 1907/2006/EG

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- 1.1 Product name / Code: Ceveron[®] Cleaning solution (25 ml) REF 9820300
- 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 Email: sales@technoclone.com
- 1.5 Emergency Phone: +43 1 86373 -10 (08:00 – 16:00 h)

2. HAZARDS IDENTIFICATION

- 2.1 Emergency overview: General rules for handling solutions containing acids or other irritants have to be followed
- 2.2 Health hazard: Presents little hazard if spilled or in fire

3. COMPOSITION, INFORMATION ON INGREDIENTS

- 3.1 Article contains
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|----------------------------|------|
| Sodium Hypochloride | 3 % |
| H2O Wasser demineralisiert | 97 % |
- Hazard classification: R31; C; R34, Corrosive
- CAS No Sodium Hypochloride: 7681-52-9

4. FIRST AID MEASURES

- 4.1 General Miscible with water
- 4.2 Eyes: Flush eyes with water for at least 15minutes, if persistent irritation occurs, seek medical advice
- 4.3 Skin contact: Wash with plenty of water
- 4.4 Ingestion: Clean Mouth with water and drink afterwards plenty of water, seek medical advice

5. FIRE-FIGHTING MEASURES

- 5.1 Extinguishing media: No limitation
- 5.2 Flammable properties: Not combustible. Products released in case of fire causes corrosion to metals.
- 5.3 Specific hazards: Burning produces obnoxious and toxic fumes.

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6. ACCIDENTAL RELEASE MEASURES

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| 6.1 | Personal precautions: | Ensure adequate ventilation |
| 6.2 | Cleanup procedures: | Take up with inert absorbent material and flush with water |

7. HANDLING AND STORAGE

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| 7.1 | Handling precautions: | Avoid contact with skin and eyes |
| 7.2 | Storage: | Keep container tightly closed. Protect from light. |

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 irritant chemicals. |
| 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 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 through time has to be found out by the manufacturer of the protective gloves and has to be observed. |
| 8.4 | Ventilation: | No particular ventilation requirements. |
| 8.5 | Protective clothing: | Lab Coat. |

9. PHYSICAL AND CHEMICAL PROPERTIES

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| 9.1 | Appearance: | Liquid |
| 9.2 | Colour: | Colourless |
| 9.3 | Odour: | Slight chlorine |
| 9.4 | Solubility: | Miscible with water |
| 9.5 | Viscosity: | No data available |
| 9.6 | pH-value: | alkaline, 12.4 |

10. STABILITY AND REACTIVITY

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| 10.1 | Hazardous reactions: | Decomposes on exposure to light. Do not mix with acids. |
| 10.2 | Hazardous decomposition products: | Thermal decomposition can lead to release of irritating gases and vapours |
| 10.3 | Material to avoid | Light metals |

11. TOXICOLOGICAL INFORMATION

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| 11.1 | Acute toxicity: | Sodium Hypochlorite: LD50/oral/mouse=5800mh/kg |
| 11.2 | Skin effects: | May cause sensitization by skin contact |
| 11.3 | Primary irritation: | Irritation to eyes, respiratory system and skin |
| 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 and decomposes either to salt and oxygen or sodium chlorate and salt. |
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13. DISPOSAL CONSIDERATIONS

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| 13.1 | General information: | the product has to be disposed of as laboratory chemical in accordance with local regulations. |
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14. TRANSPORT INFORMATION

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| 14.1 | General information: | Not subject to transport regulations Fragile containers, handle with care |
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15. REGULATORY INFORMATION

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| 15.1 | Safety rules: | This product is not in accordance with danger material regulation and the appropriate European Union guidelines marking requiring. |
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16. OTHER INFORMATION

Full text of R-phrases referred to under section 2 and 3

R31 Contact with acids liberates toxic gases

R34 Causes burns

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.