

**MATERIAL SAFETY DATA SHEET**  
 According to 1907/2006/EG

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

- 1.1 Product name / Code: TECHNOCHROM® C1-INH (30 T.) REF 5345003  
 TECHNOCHROM® C1-INH f. Ceveron® (60 T.) REF 5345005
- 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 biological material have to be followed
- 2.2 Health hazard: Health hazard upon ingestion  
 Presents little hazard if spilled or in fire

**3. COMPOSITION, INFORMATION ON INGREDIENTS**

- 3.1 Articles contains:
- |  |                       |
|--|-----------------------|
| Substrate C1-1, 1 x 3 mL                     | chromogenic substrate |
| C1 esterase, 1 x 3 mL                        | from human Plasma     |
| Reference Standards C1-INH 1-3, each 1 x1 mL | human plasma          |
| Sample buffer A, 1 x 25 mL                   | Tris (6,1 g/L)        |
|  | NaCl (15 g/L)         |
|  | pH 7,4                |
| Reaction buffer B, 1 x 20 mL                 | Tris (6,1 g/L)        |
|  | NaCl (15 g/L)         |
|  | pH 8,5                |

**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: None

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**6. ACCIDENTAL RELEASE MEASURES**

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|-----|-----------------------|---|
| 6.1 | Personal precautions: | Wear gloves, avoid substance contact              |
| 6.2 | Cleanup procedures:   | Take up dry, discard according to local practices |

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**7. HANDLING AND STORAGE**

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

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**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<br>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.  |
| 8.4 | Ventilation:                              | No particular ventilation requirements.   |
| 8.5 | Protective clothing:                      | Protective clothing is not necessary.   |

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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|-----|-------------|---------------------|
| 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:   | pH 7,4 – pH 8,5     |

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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                            |

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**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.  Human Plasma used for production of reference standards is derived exclusively from donors who have been tested negative for antibodies against HIV, HCV and HBs antigen using approved test procedures. Nevertheless human plasma should be considered as potentially infectious and handled with care.

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**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:	Disposal should be made in accordance with existing local disposal practices for biological material.
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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. Keep Containers closed. Keep away from food and beverages. Avoid contact with the skin.
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**16. OTHER INFORMATION**

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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.