

MATERIAL SAFETY DATA SHEET
 According to 91/155 EEC

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- 1.1 Product name / Code: Stop Solution, 12mL REF TH1000KK
- 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 Formulation: Aqueous solution
- 2.2 Hazardous ingredient: Sulfuric acid
- 2.3 Content: < 5%
- 2.4 Molecular formula: H₂SO₄
- 2.5 Molecular weight: 98.08
- 2.6 Concentration: 0.5 mol/L (1N);
- 2.7 CAS Number: 7664-93-9

3. HAZARDS IDENTIFICATION

- 3.1 Emergency overview: Corrosive
- 3.2 Health Hazard: No hazardous product as specified in Directive 67/548/EEC

4. FIRST-AID MEASURES

- 4.1 General: Miscible with water
- 4.2 Eyes: Rinse eyes with lids open (for a minimum of 10 min.), consult eye specialist.
- 4.3 Skin contact: Wash off with plenty of water, remove contaminated clothing
- 4.4 Ingestion: Drink plenty of water, consult medical help
- 4.5 Inhalation: Fresh air, consult medical help

5. FIRE-FIGHTING MEASURES

- 5.1 Extinguishing media: Adapted to the environment
- 5.2 Special risks: Development of hazardous combustion gases or vapours possible

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions: Do not inhale vapours/aerosols, avoid substance contact.
- 6.2 Cleanup procedures: Absorb with liquid-absorbent material (waste disposal see 13.). Clean contaminated area.
- 6.3 Additional measures: Neutralize by using diluted sodium hydroxid solution or calcium carbonate or sodium carbonate powder

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7. HANDLING AND STORAGE

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| 7.1 | Handling precautions: | Keep container closed, in a well ventilated place |
| 7.2 | Storage temperature: | Store at +15 – 25 °C. |

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

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|-----|---|---|
| 8.1 | Respiratory protection: | Required when vapours/aerosols are generate |
| 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: | Protective goggles required |
| 8.4 | Skin protection: | Wash hands after working with substance. |
| 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 | Odor: | Odorless |
| 9.4 | Solubility: | Miscible with water |
| 9.5 | pH-value: | < 1 |

10. STABILITY AND REACTIVITY

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| 10.1 | Stability: | Hazardous decomposition products in case of fire |
| 10.1 | Conditions to avoid: | Intensive heating |

11. TOXICOLOGICAL INFORMATION

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|------|----------------|---|
| 11.1 | Acute effects: | LD ₅₀ (oral, rat): 2140 mg/kg (using a 25% solution) |
| 11.2 | Skin effects: | Irritative response if not handled appropriately |
| 11.3 | Eye effects: | Corneal lesions may occur |

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12. ECOLOGICAL INFORMATION

12.1 General note: Water danger class 1. Stop solution must be neutralized or diluted before entering the sewage.

13. DISPOSAL CONSIDERATION

13.1 Product: Must not be discarded together with general waste and must not enter the sewage system.
13.2 Packaging: After rinsing with water, the material can be treated like harmless waste.

14. TRANSPORT INFORMATION

14.1 General information: Not subject to transport regulations (GGVS/ADR, GGVE/RID, IMDG, IATA/ICAO)

15. REGULATORY INFORMATION

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.

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.