



Safety data sheet

pursuant to (EU) regulation no. 1907/2006 and
(EU) regulation no. 453/2010 (REACH)

Trade name (product 1): **Calcium / magnesium standard**

Material number: CA ST

Created on: 10.05.2015

Version: 2.1

Replaces the version of 10.02.2003

Page 1 of 5

SECTION 1: Name of the substance or mixture and the company

1.1 Product identifier

Trade name Calcium / magnesium standard
MAT no. CA ST

1.2 Relevant identified uses of the substance or mixture and uses that are advised against

General use Reagent for in-vitro diagnostics
For professional use only

1.3 Details of the supplier of the safety data sheet

Firma name Diaglobal GmbH
Innovationspark Wuhlheide
Köpenicker Str. 325
12555 Berlin
Email: Info@diaglobal.de
Tel: +49 (0)30 / 6576-2597
Fax: +49 (0)30 / 6576-2517

1.4 Emergency telephone number +49 (0)30 / 6576-2597 (during normal business hours)

SECTION 2: Possible dangers

2.1 Classification of the substance or mixture

The CA ST kit contains a bottle with standard solution (=mixture).

Classification pursuant to EU regulation 1272/2008 (CLP)

The mixture is not classified as dangerous.

2.2 Labelling elements None

2.3 Other dangers None known

SECTION 3: Composition / specifications of constituents

3.1 Substances Not applicable

3.2 Mixtures

Chemical characterisation Aqueous solution
Dangerous constituents Does not contain any dangerous constituents in quantities that require reporting in this section pursuant to applicable EU law.
Additional information Contains 0.2% hydrochloric acid

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Remove contaminated clothing immediately.
After inhalation Move affected person into fresh air.
After contact with skin Wash affected areas with water.
After contact with eyes Immediately rinse open eyes thoroughly for several minutes under running water.
Consult a doctor if problems occur.
After swallowing Wash out mouth with water immediately and drink a glass of water. Do not attempt to induce vomiting.



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Page 2 of 5

4.2 Most important symptoms and effects, both acute and delayed

Symptoms None known or expected

4.3 Indication of any immediate medical attention or special treatment needed

Treatment No information available

SECTION 5: Fire-fighting measures

5.1 Extinguishing agents

Suitable extinguishing agents No restriction
The liquid is not flammable. Adapt extinguishing measures to suit the environment.

Unsuitable extinguishing agents for safety reasons None known

5.2 Special hazards arising from the substance or mixture

Thermal decomposition No hazardous decomposition can be expected.

5.3 Fire-fighting information

Special protective clothing for fire-fighting Prevent skin contact by keeping a safe distance. In the event of ambient fire: wear breathing apparatus with own air supply.

SECTION 6: Measures in the event of unintentional release

6.1 Person-related precautions, protective equipment and procedure in the event of emergencies Avoid contact with eyes and skin.

6.2 Environmental measures Do not allow the product to enter surface water or sewer system.

6.3 Methods and material for containment and cleaning up

Measures in the event of spillage Absorb with liquid-binding material (e.g. sand, silica gel, sawdust).
Binding agents Special precautions to restrict damage are not necessary.

6.4 Reference to other sections Handle absorbed material in accordance with Section 13 "Disposal considerations".

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Information for safe handling Avoid contact with eyes and skin
Keep workplace and devices clean.
Ventilate working area well.

Protective and hygienic measures Do not eat, drink or smoke in the application area.
Wash hands before breaks and after work.
Change contaminated clothing.
Remove laboratory coat before entering rooms in which people eat.

7.2 Conditions for safe storage, including any incompatibilities

Storage Store at room temperature (+15 °C to +25 °C).
Storage category 12 = non-combustible liquids
Ban on combined storage None



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Page 3 of 5

7.3 Specific end-uses Laboratory diagnostics

SECTION 8: Limitation and monitoring of exposure / personal protective equipment

8.1 Parameters for monitoring

MAC value Contains no substances with workplace limits

8.2 Limitation and monitoring of exposure at the workplace

Breathing protection None
Eye protection Protective glasses with side protection
Body protection Laboratory coat
Hand protection Disposable gloves pursuant to EN 374, clean gloves with water and soap before removing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance Form: liquid
Colour: colourless
Odour Odourless
Odour threshold No data available
pH value 2.5 - 3.0
Melting point / freezing point Approx. 0 °C
Boiling point / boiling range Approx. 100 °C
Flashpoint / flash range No data available
Evaporation rate No data available
Flammability The product is not auto-flammable
Explosive limits No data available
Vapour pressure No data available
Vapour density No data available
Density No data available
Solubility in water Completely soluble

9.2 Miscellaneous information

Other information No data available

SECTION 10: Stability and reactivity

10.1 Reactivity No hazardous reaction known

10.2 Chemical stability Stable under normal storage conditions

10.3 Risks of hazardous reactions No hazardous reaction known

10.4 Conditions to avoid Protect against heat / direct sunlight

10.5 Incompatible materials Strong acids and bases

10.6 Dangerous decomposition products None can normally be expected



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Page 4 of 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	No data are available for the product.
Primary irritant effect to the skin	Slight irritations
to the eye	Slight irritations
Sensitisation of the respiratory tracts/skin	No sensitisation effect known.
Germ cell mutagenicity	No data available
Carcinogenicity	Does not contain any constituents classified as carcinogenic.
Reproductive toxicity	No data available
Specific target organ toxicity after a single exposure	No data available
Specific target organ toxicity after repeated exposure	No data available
Aspiration toxicity	No data available

SECTION 12: Environmental information

12.1 Toxicity

Aquatic toxicity	No data are available for the product. Do not allow the product to enter surface water or sewer system
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12.2 Persistence and degradability No data available

12.3 Bioaccumulation potential No data available

12.4 Mobility in soil No data available

12.5 Results of the PBT and vPvB assessment Not applicable

12.6 Other hazardous effects No data available

Other information No environmental hazards are known or can be expected in normal use.

SECTION 13: Disposal information

13.1 Waste disposal procedure

Product Waste code	160506: Laboratory chemicals consisting of or containing dangerous substances, including mixtures of laboratory chemicals. Hazardous waste. Disposal in accordance with the official regulations.
Packaging Waste code	160505: Disposal in accordance with the official regulations. Uncontaminated and completely emptied packaging may be recycled.

SECTION 14: Transport information

14.1 UN number Not classified as a hazardous good



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Page 5 of 5

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| 14.2 UN proper shipping name
ADR/RID, IMDG, IATA | Not classified as a hazardous good |
| 14.3 Transport hazard classifications | Not classified as a hazardous good |
| 14.4 Packaging group | Not classified as a hazardous good |
| 14.5 Environmental hazards | Not classified as a hazardous good |
| 14.6 Special precautions for the user | No hazardous good pursuant to ADR/RID, ADN, IMDG code, IATA-DGR |
| 14.7 Transport in bulk in accordance with Annex II of the MARPOL Agreement 73/78 and the IBC code | Not applicable |

SECTION 15: Legal regulations

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|--|---|
| 15.1 Safety, health and environmental protection regulations/legislation specific to the substance or the mixture | |
| EU regulations | The mixture is not classified as dangerous. |
| Labelling
(EU regulation 1272/2008) | |
| National regulations | |
| Germany | |
| Storage category | 12 = non-combustible liquids |
| Water hazard classification | 0 = Not generally hazardous for water |
| 15.2 Chemical safety assessment | No chemical safety assessments were conducted for substances of this mixture. |

SECTION 16: Miscellaneous information

Reason for the last changes	General revision Classification pursuant to EU regulation 1272/2008
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The above information is based on the current state of our knowledge. However, it is no assurance for certain product properties in the sense of legal validity.