



Safety date sheet

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

Trade name: **Calcium, series test**
Material number: CA 015
Created on: 18.05.2015
Version: 2.1
Replaces the version of 01.09.2010

Page 1 of 5

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

1.1 Product identifier

Trade name Calcium, series test
Mat. no. CA 015

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

Firm 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 015 kit contains bottles with colour reagent R1 and buffer agent R2.
R1 and R2 are mixtures.

Classification pursuant to EU regulation 1272/2008 (CLP)

These mixtures are 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 R1: Aqueous solution
R2: Aqueous solution
Dangerous constituents The mixtures do not contain any dangerous constituents in quantities that require reporting in this section pursuant to applicable law.
Additional information The mixture R2 contains sodium azide (< 0.1%) as a preserving agent.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Remove contaminated clothing immediately.
Show this safety data sheet to the doctor in attendance.
After inhalation Move affected person into fresh air.
After contact with skin Wash affected areas with plenty of water.
After contact with eyes Rinse thoroughly with plenty of water for several minutes and consult a doctor.
Remove any contact lenses present if possible.
Consult a doctor.



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Page 2 of 5

After swallowing Wash out mouth with water immediately and drink plenty of water; seek a doctor.

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 Symptomatic treatment

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.
Ambient fire may liberate hazardous vapours.

5.3 Fire-fighting information

Special protective equipment 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 safety precautions, protective equipment and procedure in the event of emergencies

Avoid contact with eyes or skin.
Ensure adequate ventilation.
Wear suitable protective clothing.

6.2 Environmental protection 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 inert 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 the 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.



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Page 3 of 5

7.2 Conditions for safe storage, including any incompatibilities

Storage	Store at room temperature (+15 °C to + 25 °C). Protect against heat and exposure to strong light.
Requirements on storerooms	No special requirements
Combined storage information	None

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

R1

Appearance	Form: liquid Colour: colourless
Odour	Characteristic
Odour threshold	No data available
pH value	pH <2.0
Melting point / freezing point	Approx. 0 °C
Boiling point / boiling range	Approx. 100 °C
Flashpoint / flash range	Not applicable.
Evaporation rate	No data available
Auto-flammability	The product is not auto-flammable.
Explosion risk	The product is not explosive.
Vapour pressure at 20 °C	No data available.
Relative vapour pressure	No data available.
Density	No data available.
Solubility in water	Completely soluble.

R2

Appearance	Form: liquid Colour: colourless
Odour	Odourless
Odour threshold	No data available
pH value	pH 10.0–10.4
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.
Auto-flammability	The product is not auto-flammable.
Explosion risk	The product is not explosive.
Vapour pressure at 20 °C	No data available.
Relative vapour pressure	Not relevant
Density	Not relevant
Solubility in water	Completely soluble



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Page 4 of 5

9.2 Miscellaneous information

Other information No data available

SECTION 10: Stability and reactivity

- 10.1 Reactivity** No hazardous reactions known in normal use
- 10.2 Chemical stability** Stable under the storage conditions specified
- 10.3 Risks of hazardous reactions** No hazardous reactions known
- 10.4 Conditions to avoid** Protect against heat and exposure to strong light.
- 10.5 Incompatible materials** Strong acids and bases
- 10.6 Dangerous decomposition products** No decomposition products known when stored
Appropriately

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	No data are available for the product.
Corrosive/irritant effect to skin	Can cause skin irritations.
Severe eye damage / irritation	
Sensitisation of the respiratory tracts/skin	Can cause eye irritations.
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	Contains no constituents classified as carcinogenic.
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. |
| Water hazard classification | 1 (self-classification) : slightly hazardous for water |
- 12.2 Persistence and degradability** No data available
- 12.3 Bioaccumulation potential** No data available
- 12.4 Mobility in soil** No data available
- 12.6 Other hazardous effects** No data available
- Additional information Do not allow the product to enter surface water or sewer system.

SECTION 13: Disposal information



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Page 5 of 5

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 official regulations.

Packaging

Waste code

160505: Disposal in accordance with official regulations.
Uncontaminated and completely emptied packaging may be recycled.

SECTION 14: Transport information

14.1 UN number

ADR, IMDG, IATA

Not classified as a hazardous good

14.2 UN proper shipping name

ADR, 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

No

14.6 Special precautions for the user

No hazardous good pursuant to ADR/RID, ADN, IMDG code, IATA-DGR

14.7 Transport in bulk according to Annex II of the MARPOL Agreement 73/78 and the IBC code

Not applicable

SECTION 15: Legal regulations

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations of Germany

Storage category

Water hazard classification

12 = non-combustible liquids

1 = slightly hazardous for water

15.2 Chemical safety assessment

Chemical safety assessments were not conducted for substances of this mixture.

SECTION 16: Miscellaneous information

Reason for the last changes

General revision

Classification pursuant to

EU regulation 1272/2008

The above information is based on the current state of our knowledge. However, it is no assurance of certain product properties in the sense of legal validity.