

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 29.04.2024

Version number 11

Revision: 24.02.2023

1 Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
 - Trade name: **965203- • CLY11-B • Conductivity Standard Solution 149.6 $\mu\text{S}/\text{cm}$ $<\pm 0.5\%$ (25°C)**
 - SDS-ID (International): 200034-8
 - SDS Download URL: www.sds-id.com/
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
 - Only use for indicated purposes.*
 - Application of the substance / the preparation: *Calibrating solution • Control solution • Testing solution.*
- **1.3 Details of the supplier of the safety data sheet**
 - Manufacturer:
Endress + Hauser Conducta Ges. f. Mess- u. Regeltech. mbH + Co
Dieselstrasse 24 • 70839 Gerlingen • Germany
 - Further information obtainable from: *Fon: +49 7156 209-0 • Fax: +49 7156 28158*
- **1.4 Emergency telephone number:**
 - Fon: +49 7156 209-0 • Fax: +49 7156 28158*
 - Available during business time.*

2 Hazards identification

- **2.1 Classification of the substance or mixture**
 - Classification according to Regulation (EC) No 1272/2008
The product is not classified, according to the CLP regulation.
- **2.2 Label elements**
 - Labelling according to Regulation (EC) No 1272/2008 *Void*
 - Hazard pictograms *Void*
 - Signal word *Void*
 - Hazard statements *Void*
- **2.3 Other hazards**
 - Results of PBT and vPvB assessment
 - PBT: *Not applicable.*
 - vPvB: *Not applicable.*

3 Composition/information on ingredients

- **3.2 Mixtures**
 - Description: *Mixture of substances listed below with nonhazardous additions.*
 - Dangerous components: *Void*
 - Additional information: *For the wording of the listed hazard phrases refer to section 16.*

4 First aid measures

- **4.1 Description of first aid measures**
 - General information: *No special measures required.*
 - After inhalation: *Supply fresh air; consult doctor in case of complaints.*
 - After skin contact: *Generally the product does not irritate the skin.*
 - After eye contact: *Rinse opened eye for several minutes under running water.*

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- After swallowing: *If symptoms persist consult doctor.*
- 4.2 Most important symptoms and effects, both acute and delayed *No further relevant information available.*
- 4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

5 Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents: *Use fire extinguishing methods suitable to surrounding conditions.*
- 5.2 Special hazards arising from the substance or mixture *No further relevant information available.*
- 5.3 Advice for firefighters
- Protective equipment: *No special measures required.*

6 Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures *Not required.*
- 6.2 Environmental precautions:
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 6.4 Reference to other sections
No dangerous substances are released.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- 7.1 Precautions for safe handling *No special measures required.*
- Information about fire - and explosion protection: *No special measures required.*
- 7.2 Conditions for safe storage, including any incompatibilities
- Storage:
- Requirements to be met by storerooms and receptacles: *No special requirements.*
- Information about storage in one common storage facility: *Not required.*
- Further information about storage conditions: *None.*
- Storage class: *12*
- 7.3 Specific end use(s) *No further relevant information available.*

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8 Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** *The lists valid during the making were used as basis.*
- **8.2 Exposure controls**
- **Appropriate engineering controls** *No further data; see section 7.*
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** *Not required.*
- **Hand protection**
For permanent contact gloves are recommended.
E.g. glove material: Nitrile rubber, glove thickness: $> 0.1\text{ mm}$
To avoid skin problems reduce the wearing of gloves to the required minimum.
- **Eye/face protection** *Goggles recommended during refilling*

9 Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Physical state** *Fluid*
- **Colour:** *According to product version*
- **Odour:** *Characteristic*
- **Odour threshold:** *Not determined.*
- **Melting point/freezing point:** *Undetermined.*
- **Boiling point or initial boiling point and boiling range** *100 °C*
- **Flammability** *Not applicable.*
- **Lower and upper explosion limit**
- **Lower:** *Not determined.*
- **Upper:** *Not determined.*
- **Flash point:** *Not applicable.*
- **Decomposition temperature:** *Not determined.*
- **pH at 20 °C** *7*
- **Viscosity:**
- **Kinematic viscosity** *Not determined.*
- **Dynamic:** *Not determined.*
- **Solubility**
- **water:** *Fully miscible.*
- **Partition coefficient n-octanol/water (log value)** *Not determined.*
- **Vapour pressure at 20 °C:** *23 hPa*
- **Density and/or relative density**
- **Density:** *Not determined.*
- **Relative density** *Not determined.*

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· Vapour density	<i>Not determined.</i>
· 9.2 Other information	
· Appearance:	
· Form:	<i>Fluid</i>
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	<i>Product is not selfigniting.</i>
· Explosive properties:	<i>Product does not present an explosion hazard.</i>
· Solvent content:	
· Water:	<i>>90.0 %</i>
· Change in condition	
· Evaporation rate	<i>Not determined.</i>
· Information with regard to physical hazard classes	
· Explosives	<i>Void</i>
· Flammable gases	<i>Void</i>
· Aerosols	<i>Void</i>
· Oxidising gases	<i>Void</i>
· Gases under pressure	<i>Void</i>
· Flammable liquids	<i>Void</i>
· Flammable solids	<i>Void</i>
· Self-reactive substances and mixtures	<i>Void</i>
· Pyrophoric liquids	<i>Void</i>
· Pyrophoric solids	<i>Void</i>
· Self-heating substances and mixtures	<i>Void</i>
· Substances and mixtures, which emit flammable gases in contact with water	<i>Void</i>
· Oxidising liquids	<i>Void</i>
· Oxidising solids	<i>Void</i>
· Organic peroxides	<i>Void</i>
· Corrosive to metals	<i>Void</i>
· Desensitised explosives	<i>Void</i>

10 Stability and reactivity

- 10.1 Reactivity *No further relevant information available.*
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: *No decomposition if used according to specifications.*
- 10.3 Possibility of hazardous reactions *No dangerous reactions known.*
- 10.4 Conditions to avoid *No further relevant information available.*
- 10.5 Incompatible materials: *No further relevant information available.*
- 10.6 Hazardous decomposition products: *No dangerous decomposition products known.*

11 Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute toxicity *Based on available data, the classification criteria are not met.*
- Skin corrosion/irritation *Based on available data, the classification criteria are not met.*

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- **Serious eye damage/irritation** *Based on available data, the classification criteria are not met.*
- **Respiratory or skin sensitisation** *Based on available data, the classification criteria are not met.*
- **Germ cell mutagenicity** *Based on available data, the classification criteria are not met.*
- **Carcinogenicity** *Based on available data, the classification criteria are not met.*
- **Reproductive toxicity** *Based on available data, the classification criteria are not met.*
- **STOT-single exposure** *Based on available data, the classification criteria are not met.*
- **STOT-repeated exposure** *Based on available data, the classification criteria are not met.*
- **Aspiration hazard** *Based on available data, the classification criteria are not met.*
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

12 Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** *No further relevant information available.*
- **12.2 Persistence and degradability** *No further relevant information available.*
- **12.3 Bioaccumulative potential** *No further relevant information available.*
- **12.4 Mobility in soil** *No further relevant information available.*
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*
- **12.6 Endocrine disrupting properties**
- *The product does not contain substances with endocrine disrupting properties.*
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**
- *Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water*
- *Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.*

13 Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** *Smaller quantities can be disposed of with household waste.*
- **Uncleaned packaging:**
- **Recommendation:** *Disposal must be made according to official regulations.*
- **Recommended cleansing agents:** *Water, if necessary together with cleansing agents.*

14 Transport information

- **14.1 UN number or ID number**
- **ADR, ADN, IMDG, IATA** *Void*
- **14.2 UN proper shipping name**
- **ADR, ADN, IMDG, IATA** *Void*

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· **14.3 Transport hazard class(es)**

· ADR, ADN, IMDG, IATA

· Class

Void· **14.4 Packing group**

· ADR, IMDG, IATA

Void· **14.5 Environmental hazards:**

· Marine pollutant:

No· **14.6 Special precautions for user***Not applicable.*· **14.7 Maritime transport in bulk according to IMO instruments***Not applicable.*

· UN "Model Regulation":

*Void***15 Regulatory information**· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I *None of the ingredients is listed.*· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II***None of the ingredients is listed.*· **REGULATION (EU) 2019/1148**· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))***None of the ingredients is listed.*· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS***None of the ingredients is listed.*· **Regulation (EC) No 273/2004 on drug precursors***None of the ingredients is listed.*· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors***None of the ingredients is listed.*· **15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.***16 Other information***This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*· **Contact:***Fon: +49 7156 209-0 • Fax: +49 7156 28158**Available during business time.*

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- **Date of previous version:** 24.02.2023
- **Version number of previous version:** 10

· **Abbreviations and acronyms:**

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

- *** Data compared to the previous version altered.**

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