Endress+Hauser

People for Process Automation

Revision: 12.05.2021

# **SECTION 1:** Identification of the substance/mixture and of the company/ undertaking

Version number 5

## **1.1 Product identifier**

# Trade name: Turbidity standard CUE21/CUE23/CUE24

Article number: 51518580 UFI: -

**1.2 Relevant identified uses of the substance or mixture and uses advised against** *No further relevant information available.* 

## Application of the substance / the mixture Laboratory chemicals

**1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier:** *Endress+Hauser Conducta GmbH+Co. KG Dieselstraße 24 D-70839 Gerlingen* 

# Further information obtainable from: *Phone:* +49 (0)7156 209-117

Fax.: +49 (0)7156 209-222 E-Mail: MSDS.PCC @endress.com

**1.4 Emergency telephone number:** +49(0)6131-19240

# **SECTION 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.

# **SECTION 3: Composition/information on ingredients**

**3.2 Mixtures Description:** *aqueous solution* 

**Dangerous components:** Void **Additional information:** For the wording of the listed hazard phrases refer to section 16.

# **SECTION 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.

After swallowing: If symptoms persist consult doctor.

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#### **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.* 

# **SECTION 5: Firefighting measures**

## 5.1 Extinguishing media

**Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions. **For safety reasons unsuitable extinguishing agents:** no further information

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters No further relevant information available.

Protective equipment: No special measures required.

# **SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures** *Wear protective clothing.* **6.2 Environmental precautions:** *No special measures required.* 

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

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

# **SECTION 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.* 

# **SECTION 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 item 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 No chemical-protective gloves required.

## 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

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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.

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Eye/face protection Not required.

Body protection: Protective work clothing

# **SECTION 9: Physical and chemical properties**

9.1 Information on basic physical and chemical properties General Information Physical state Fluid Colour: According to product specification Odourtess Odour threshold: Not determined. Moting point/freezing point: Boiling point or initial boiling point and boiling range Undetermined. Holdetermined. Flammability Not applicable. Lower and upper explosion limit Lower: Not determined. Hore applicable. Lower and upper explosion limit Lower: Not determined. Huto-ignition temperature: Product is not selfigniting. Flash point: Not applicable. Auto-ignition temperature: Not determined. Yiscosity: Kinematic viscosity Not determined. Not determined. Not applicable. Auto-ignition temperature: Not determined. Not	0.1 Information on basic physical and chomical	proportios
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Safety data sheet

according to 1907/2006/EC, Article 31

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Trade name: Turbidity standard CUE21/CUE23/CUE24

		(Contd. of page 3)
Self-reactive substances and mixtures	Void	
Pyrophoric liquids	Void	
Pyrophoric solids	Void	
Self-heating substances and mixtures	Void	
Substances and mixtures, which emit flamn	nable	
gases in contact with water	Void	
Oxidising liquids	Void	
Oxidising solids	Void	
Organic peroxides	Void	
Corrosive to metals	Void	
Desensitised explosives	Void	

# **SECTION 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.

# **SECTION 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. 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.

# Endocrine disrupting properties

None of the ingredients is listed.

# **SECTION 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: Not hazardous for water.

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## 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.

# **SECTION 14: Transport information**

14.1 UN number or ID number ADR, IMDG, IATA 14.2 UN proper shipping name ADR, IMDG, IATA 14.3 Transport hazard class(es)	Void Void
ADR, ADN, IMDG, IATA Class 14.4 Packing group ADR, IMDG, IATA 14.5 Environmental hazards:	Void Void
Marine pollutant:	No
14.6 Special precautions for user	Not applicable.
14.7 Maritime transport in bulk according to IMC	<b>D</b>
instruments	Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.
UN "Model Regulation":	Void

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# **SECTION 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.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

# **SECTION 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.

## 16.3 Recommended restriction of use

Department issuing SDS: PCC-TWRC Contact: MSDS.pcc@endress.com Date of previous version: 12.05.2021 Version number of previous version: 4 Abbreviations and acronyms: ADR: Accord européen sur le transport 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 EIINECS: 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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