

## 1 Identification

### Product identifier

Trade name: **Standard solution CaCO<sub>3</sub>**

Synonym: 0 mg/l

Article number: CY80HA-R2+TA

### CAS Number:

7732-18-5

### EC number:

231-791-2

Application of the substance / the mixture *Laboratory chemicals*

### Details of the supplier of the safety data sheet

#### Manufacturer/Supplier:

Endress+Hauser Conducta Inc.  
4123 E. La Palma Ave., Suite 200  
Anaheim  
CA 92807-1813  
USA

#### Information department:

Phone: +49 (0)7156 209-10117  
E-Mail: MSDS.PCC@endress.com

Emergency telephone number: 001 18000 222 1222

## 2 Hazard(s) identification

### Classification of the substance or mixture

*The substance is not classified, according to the Globally Harmonized System (GHS).*

### Label elements

GHS label elements *Void*

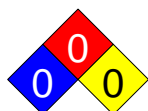
Hazard pictograms *Void*

Signal word *Void*

Hazard statements *Void*

Classification system:

NFPA ratings (scale 0 - 4)



Health = 0

Fire = 0

Reactivity = 0

HMIS-ratings (scale 0 - 4)

HEALTH 0

Health = 0

FIRE 0

Fire = 0

REACTIVITY 0

Reactivity = 0

### Other hazards

#### Results of PBT and vPvB assessment

PBT: *Not applicable.*

vPvB: *Not applicable.*

## \* 3 Composition/information on ingredients

### Chemical characterization: Substances

CAS No. Description

CAS: 7732-18-5 water

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USA

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**Identification number(s)****EC number: 231-791-2**

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## 4 First-aid measures

**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.***Information for doctor:****Most important symptoms and effects, both acute and delayed***No further relevant information available.***Indication of any immediate medical attention and special treatment needed***No further relevant information available.*

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## 5 Fire-fighting measures

**Extinguishing media****Suitable extinguishing agents:** *Use fire fighting measures that suit the environment.***For safety reasons unsuitable extinguishing agents:** *no further information***Special hazards arising from the substance or mixture** *No further relevant information available.***Advice for firefighters** *No further relevant information available.***Protective equipment:** *No special measures required.*

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## 6 Accidental release measures

**Personal precautions, protective equipment and emergency procedures** *Wear protective clothing.***Environmental precautions:** *Dilute with plenty of water.***Methods and material for containment and cleaning up:***Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).***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.***Protective Action Criteria for Chemicals****PAC-1:***Substance is not listed.***PAC-2:***Substance is not listed.***PAC-3:***Substance is not listed.*

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## 7 Handling and storage

**Precautions for safe handling** *No special measures required.***Information about protection against explosions and fires:** *No special measures required.***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.*

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**Storage class: 12****Specific end use(s)** *No further relevant information available.*

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## 8 Exposure controls/personal protection

**Additional information about design of technical systems:** *No further data; see item 7.***Control parameters****Components with limit values that require monitoring at the workplace:** *Not required.***Additional information:** *The lists that were valid during the creation were used as basis.***Exposure controls****Personal protective equipment:****General protective and hygienic measures:***The usual precautionary measures for handling chemicals should be followed.***Breathing equipment:** *Not required.***Protection of hands:** *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.***Penetration time of glove material***The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.***Eye protection:** *Not required.***Body protection:** *Protective work clothing*

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## 9 Physical and chemical properties

**Information on basic physical and chemical properties****General Information****Appearance:**

<b>Form:</b>	<i>Fluid</i>
<b>Color:</b>	<i>Colorless</i>
<b>Odor:</b>	<i>Odorless</i>
<b>Odor threshold:</b>	<i>Not determined.</i>
<b>pH-value:</b>	<i>Not determined.</i>

**Change in condition**

<b>Melting point/Melting range:</b>	<i>0 °C (32 °F)</i>
<b>Boiling point/Boiling range:</b>	<i>100 °C (212 °F)</i>

**Flash point:** *Not applicable.***Flammability (solid, gaseous):** *Not applicable.***Auto igniting:** *Not determined.***Danger of explosion:** *Product does not present an explosion hazard.  
Not determined.***Explosion limits:**

<b>Lower:</b>	<i>Not determined.</i>
<b>Upper:</b>	<i>Not determined.</i>

**Vapor pressure at 20 °C (68 °F):** *23 hPa (17.3 mm Hg)***Density at 20 °C (68 °F):** *1 g/cm<sup>3</sup> (8.345 lbs/gal)***Relative density** *Not determined.***Vapor density** *Not determined.*

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<b>Evaporation rate</b>	<i>Not determined.</i>
<b>Solubility in / Miscibility with Water:</b>	<i>Fully miscible.</i>
<b>Partition coefficient (n-octanol/water):</b>	<i>Not determined.</i>
<b>Viscosity:</b>	
<b>Dynamic at 20 °C (68 °F):</b>	<i>0.952 mPas</i>
<b>Kinematic:</b>	<i>Not determined.</i>
<b>Water:</b>	<i>100.0 %</i>
<b>Solids content:</b>	<i>0.0 %</i>
<b>Other information</b>	<i>No further relevant information available.</i>

**10 Stability and reactivity**

**Reactivity** *No further relevant information available.*

**Chemical stability**

**Thermal decomposition / conditions to be avoided:**

*No decomposition if used according to specifications.*

**Possibility of hazardous reactions** *No dangerous reactions known.*

**Conditions to avoid** *No further relevant information available.*

**Incompatible materials:** *No further relevant information available.*

**Hazardous decomposition products:** *No dangerous decomposition products known.*

**11 Toxicological information****Information on toxicological effects****Acute toxicity:****Primary irritant effect:**

**on the skin:** *No irritant effect.*

**on the eye:** *No irritating effect.*

**Sensitization:** *No sensitizing effects known.*

**Additional toxicological information:**

*When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.*

*The substance is not subject to classification.*

**12 Ecological information****Toxicity**

**Aquatic toxicity:** *No further relevant information available.*

**Persistence and degradability** *No further relevant information available.*

**Behavior in environmental systems:**

**Bioaccumulative potential** *No further relevant information available.*

**Mobility in soil** *No further relevant information available.*

**Additional ecological information:**

**General notes:** *Not hazardous for water.*

**Results of PBT and vPvB assessment**

**PBT:** *Not applicable.*

**vPvB:** *Not applicable.*

**Other adverse effects** *No further relevant information available.*

**13 Disposal considerations****Waste treatment methods**

**Recommendation:** *Smaller quantities can be disposed of with household waste.*

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**Uncleaned packagings:****Recommendation:** *Disposal must be made according to official regulations.***Recommended cleansing agent:** *Water, if necessary with cleansing agents.***14 Transport information**

<b>UN-Number</b>	
<b>DOT, ADN, IMDG, IATA</b>	Void
<b>UN proper shipping name</b>	
<b>DOT, ADN, IMDG, IATA</b>	Void
<b>Transport hazard class(es)</b>	
<b>DOT, ADN, IMDG, IATA</b>	
<b>Class</b>	Void
<b>Packing group</b>	
<b>DOT, IMDG, IATA</b>	Void
<b>Environmental hazards:</b>	
<b>Marine pollutant:</b>	No
<b>Special precautions for user</b>	Not applicable.
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
<b>UN "Model Regulation":</b>	Void

**15 Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture***No further relevant information available.***Sara****Section 355 (extremely hazardous substances):***Substance is not listed.***Section 313 (Specific toxic chemical listings):***Substance is not listed.***TSCA (Toxic Substances Control Act):**

ACTIVE

**Hazardous Air Pollutants***Substance is not listed.***Proposition 65****Chemicals known to cause cancer:***Substance is not listed.***Chemicals known to cause reproductive toxicity for females:***Substance is not listed.***Chemicals known to cause reproductive toxicity for males:***Substance is not listed.***Chemicals known to cause developmental toxicity:***Substance is not listed.***Cancerogenity categories****EPA (Environmental Protection Agency)***Substance is not listed.***TLV (Threshold Limit Value)***Substance is not listed.*

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**MAK (German Maximum Workplace Concentration)***Substance is not listed.***NIOSH-Ca (National Institute for Occupational Safety and Health)***Substance is not listed.***GHS label elements** *Void***Hazard pictograms** *Void***Signal word** *Void***Hazard statements** *Void***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.*

**Department issuing SDS:** *PCC - TWR***Contact:** *MSDS.pcc@endress.com***Date of preparation / last revision** *03/31/2022 / 1***Abbreviations and acronyms:***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**DOT: US Department of Transportation**IATA: International Air Transport Association**EINECS: European Inventory of Existing Commercial Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**NFPA: National Fire Protection Association (USA)**HMIS: Hazardous Materials Identification System (USA)**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**NIOSH: National Institute for Occupational Safety**TLV: Threshold Limit Value**PEL: Permissible Exposure Limit**REL: Recommended Exposure Limit***\* Data compared to the previous version altered.**