

## \* 1 Identification

### Product identifier

**Trade name:** Standard solution Fe

**Synonym:** 0 mg/L

**Article number:** CY80FE-MM+TG

### CAS Number:

7732-18-5

### EC number:

231-791-2

### 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*

### 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: [conducta\\_service@conducta.endress.com](mailto:conducta_service@conducta.endress.com)

**Emergency telephone number:** 0061 13 22 26

## \* 2 Hazard(s) Identification

### Classification of the substance or mixture

The substance is not classified according to the Globally Harmonised System (GHS).

### Label elements

**GHS label elements** *Void*

**Hazard pictograms** *Void*

**Signal word** *Void*

**Hazard statements** *Void*

### Other hazards

The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.

### Results of PBT and vPvB assessment

**PBT:** *Not applicable.*

**vPvB:** *Not applicable.*

## 3 Composition and Information on Ingredients

### Chemical characterisation: Substances

#### CAS No. Description

7732-18-5 water, distilled or of similar purity

#### Identification number(s)

EC number: 231-791-2

## 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.*

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**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:**

*CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.*

**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**

**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**

*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.*

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## \* 7 Handling and Storage

**Handling:**

**Precautions for safe handling** *No special measures required.*

**Information about fire - and explosion protection:** *No special measures required.*

**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.*

**Specific end use(s)** *No further relevant information available.*

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## \* 8 Exposure controls and personal protection

**Additional information about design of technical facilities:** *No further data; see item 7.*

**Control parameters**

**Ingredients with limit values that require monitoring at the workplace:** *Not required.*

**Additional information:** *The lists valid during the making were used as basis.*

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**Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:**

*The usual precautionary measures are to be adhered to when handling chemicals.*

**Respiratory protection:** *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:** *Goggles recommended during refilling*

## 9 Physical and Chemical Properties

**Information on basic physical and chemical properties**

**General Information**

**Appearance:**

Form:	<i>Fluid</i>
Colour:	<i>Colourless</i>
Odour:	<i>Odourless</i>
Odour threshold:	<i>Not determined.</i>

**Important information on protection of health and environment, and on safety.**

**pH-value:** *Neutral*

**Change in condition**

Melting point/freezing point:	<i>0 °C</i>
Initial boiling point and boiling range:	<i>100 °C</i>

**Flash point:** *Not applicable.*

**Flammability (solid, gas):** *Not applicable.*

**Ignition temperature:**

**Decomposition temperature:** *Not determined.*

**Auto-ignition temperature:** *Not determined.*

**Explosive properties:** *Product does not present an explosion hazard.*

**Explosion limits:**

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

**Vapour pressure at 20 °C:** *23 hPa*

Density at 20 °C:	<i>1 g/cm<sup>3</sup></i>
Relative density	<i>Not determined.</i>
Vapour density	<i>Not determined.</i>
Evaporation rate	<i>Not determined.</i>

**Solubility in / Miscibility with water:**

*Fully miscible.*

**Partition coefficient: n-octanol/water:** *Not determined.*

**Viscosity:**

**Dynamic at 20 °C:** *0.952 mPas*

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<b>Kinematic:</b>	<i>Not determined.</i>	(Contd. of page 3)
<b>Water:</b>	100.0 %	
<b>Solids content:</b>	0.0 %	
<b>Other information</b>	<i>No further relevant information available.</i>	

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## 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.*

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## \*11 Toxicological Information

**Information on toxicological effects**

**Acute toxicity**

**Primary irritant effect:**

**Skin corrosion/irritation** *No irritant effect.*

**Serious eye damage/irritation** *No irritating effect.*

**Respiratory or skin sensitisation** *No sensitising effects known.*

**Additional toxicological information:**

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

*The substance is not subject to classification according to the latest version of the EU lists.*

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## \*12 Ecological Information

**Toxicity**

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

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

**Behaviour in environmental systems:**

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

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

**Additional ecological information:**

**General notes:** *Generally not hazardous for water*

**Results of PBT and vPvB assessment**

**PBT:** *Not applicable.*

**vPvB:** *Not applicable.*

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

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## 13 Disposal considerations

**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.*

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## 14 Transport information

**UN-Number**

**ADG, ADN, IMDG, IATA**

*Void*

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<b>UN proper shipping name</b>	
<b>ADG, ADN, IMDG, IATA</b>	Void
<b>Transport hazard class(es)</b>	
<b>ADG, ADN, IMDG, IATA</b>	
<b>Class</b>	Void
<b>Packing group</b>	
<b>ADG, 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 Marpol 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**

### Australian Inventory of Chemical Substances

Substance is listed.

### Standard for the Uniform Scheduling of Medicines and Poisons

Substance is not listed.

**GHS label elements** Void

**Hazard pictograms** Void

**Signal word** Void

**Hazard statements** Void

**Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** None of the ingredients is listed.

**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-TWRC

**Contact:** MSDS@conducta.endress.com

### Abbreviations and acronyms:

*RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*

*IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)*

*ICAO: International Civil Aviation Organisation*

*ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)*

*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*

*EINECS: European Inventory of Existing Commercial 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.**