

Total Hardness Photometer

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

1.1 - Product identifier

Trade name/designation Total Hardness Photometer

Chemical name

Product-type Mixture

Product code TbsPTH

1.2 - Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses - Reagent for water analysis

Uses advised against - Other

1.3 - Details of the supplier of the safety data sheet

Water-I.D. GmbH

Daimlerstr. 20

76344 Eggenstein Germany

Telephone : +49 (0) 721 - 78 20 29 - 0 Fax +49 (0) 721 - 78 20 29 - 11

Website www.water-id.com

EHS / Compliance: lab@water-id.com

1.4 - Emergency telephone number

- Poison Control Center Munich

Tel: +49 (0) 89 / 19 24 0

Germany

24 hour service

Languages: German, English

please also call from: United Kingdom

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

| | |
|----------------|----------------|
| Not Classified | Not classified |
|----------------|----------------|

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word : None

Pictograms : None

Hazard statements : None

Precautionary statements : None

EUH-phrases : None

2.3 - Other hazards

PBT-substance. - No information available.

vPvB-substance. - No information available.

Other hazards which do not result in classification - No information available.

SECTION 3: Composition / information on ingredients

Total Hardness Photometer

3.1 - Substances

Not applicable

3.2 - Mixtures

- This mixture does not meet the criteria for classification.

SECTION 4: First aid measures

4.1 - Description of first aid measures

| | |
|-------------------------------|--|
| <u>Following inhalation</u> | <ul style="list-style-type: none">- Provide fresh air.- When in doubt or if symptoms are observed, get medical advice. |
| <u>Following skin contact</u> | <ul style="list-style-type: none">- Wash immediately with: Water- When in doubt or if symptoms are observed, get medical advice. |
| <u>After eye contact</u> | <ul style="list-style-type: none">- Rinse immediately carefully and thoroughly with eye-bath or water.- In case of eye irritation consult an ophthalmologist. |
| <u>After ingestion</u> | <ul style="list-style-type: none">- Rinse mouth thoroughly with water.- Do NOT induce vomiting. |

4.2 - Most important symptoms and effects, both acute and delayed

| | |
|--|-----------------------------|
| <u>Symptoms and effects - Following inhalation</u> | - No information available. |
| <u>Symptoms and effects - Following skin contact</u> | - No information available. |
| <u>Symptoms and effects - After eye contact</u> | - No information available. |
| <u>Symptoms and effects - After ingestion</u> | - No information available. |

4.3 - Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1 - Extinguishing media

| | |
|---------------------------------------|--|
| <u>Suitable extinguishing media</u> | <ul style="list-style-type: none">- ABC-powder- Carbon dioxide (CO₂)- Foam- Extinguishing powder |
| <u>Unsuitable extinguishing media</u> | <ul style="list-style-type: none">- Full water jet |

5.2 - Special hazards arising from the substance or mixture

| | |
|--|--|
| <u>Special hazards arising from the substance or mixture</u> | - No information available. |
| <u>Hazardous decomposition products</u> | <ul style="list-style-type: none">- Carbon dioxide (CO₂)- Carbon monoxide- Nitrogen oxides (NO_x) |

Total Hardness Photometer

5.3 - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

- | | |
|------------------------------------|--|
| <u>For non-emergency personnel</u> | - Use personal protection equipment. - Provide adequate ventilation. - Avoid dust formation. |
|------------------------------------|--|

- | | |
|---------------------------------|-----------------------------|
| <u>For emergency responders</u> | - No information available. |
|---------------------------------|-----------------------------|

6.2 - Environmental precautions

- No information available.

6.3 - Methods and material for containment and cleaning up

- | | |
|---|-----------------------------|
| <u>Methods and material for containment</u> | - No information available. |
|---|-----------------------------|

- | | |
|---|---|
| <u>Methods and material for cleaning up</u> | - Take up mechanically. - Wash with plenty of water. |
|---|---|

- | | |
|---------------------------------|-----------------------------|
| <u>Inappropriate techniques</u> | - No information available. |
|---------------------------------|-----------------------------|

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

- | | |
|--|---|
| <u>Recommendation</u> | - No special technical protective measures are necessary. |
| <u>Advices on general occupational hygiene</u> | - No information available. |

7.2 - Conditions for safe storage, including any incompatibilities

- No information available.

7.3 - Specific end use(s)

- Reagent for water analysis

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

- No information available.

8.2 - Exposure controls

- | | |
|---|-----------------------------|
| <u>Appropriate engineering controls</u> | - No information available. |
|---|-----------------------------|

Total Hardness Photometer

Individual protection measures, such as personal protective equipment - Suitable protective clothing: lab coat



- Suitable eye protection: Eye glasses with side protection



- When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.



- Suitable material: NBR (Nitrile rubber)

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

| <u>Physical state</u> | <u>Solid</u> | <u>Appearance</u> | <u>Tablets</u> |
|-------------------------------|--------------|-------------------|----------------|
| <u>Colour</u> | pink | <u>Odour</u> | odourless |
| Odour threshold | | No data available | |
| pH | | No data available | |
| Melting point | | No data available | |
| Freezing point | | No data available | |
| Boiling point | | No data available | |
| Flash point | | No data available | |
| Evaporation rate | | No data available | |
| flammability | | No data available | |
| Lower explosion limit | | No data available | |
| Upper explosion limit | | No data available | |
| Vapour pressure | | No data available | |
| Vapour density | | No data available | |
| Relative density | | No data available | |
| Density | | No data available | |
| Solubility (Water) | | very soluble | |
| Solubility (Ethanol) | | No data available | |
| Solubility (Acetone) | | No data available | |
| Solubility (Organic solvents) | | No data available | |
| Log KOC | | No data available | |
| Auto-ignition temperature | | No data available | |
| Decomposition temperature | | No data available | |
| Kinematic viscosity | | No data available | |
| Dynamic viscosity | | No data available | |

Total Hardness Photometer

9.2 - Other information

| | |
|-------------------------|-------------------|
| VOC content | No data available |
| Minimum ignition energy | No data available |
| Conductivity | No data available |

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- No information available.

10.5 - Incompatible materials

- No information available.

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 - Information on toxicological effects

Acute toxicity - Not classified

Toxicity : Mixture

| | |
|---------------------------------------|-------------------|
| LD50 oral (rat) | No data available |
| LD50 dermal (rat) | No data available |
| LD50 dermal (rabbit) | No data available |
| LC50 inhalation (rat) | No data available |
| LC50 inhalation dusts and mists (rat) | No data available |
| LC50 inhalation vapours (rat) | No data available |

- Based on available data, the classification criteria are not met.

Skin corrosion/irritation - Not classified

Serious eye damage/eye irritation - Not classified

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Total Hardness Photometer

| | |
|-------------------------------|------------------|
| <u>Reproductive toxicity</u> | - Not classified |
| <u>STOT-single exposure</u> | - Not classified |
| <u>STOT-repeated exposure</u> | - Not classified |
| <u>Aspiration hazard</u> | - Not classified |

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

| | |
|-----------------------------------|-------------------|
| EC50 48 hr crustacea | No data available |
| LC50 96 hr fish | No data available |
| ErC50 algae | No data available |
| ErC50 other aquatic plants | No data available |
| NOEC chronic fish | No data available |
| NOEC chronic crustacea | No data available |
| NOEC chronic algae | No data available |
| NOEC chronic other aquatic plants | No data available |

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

12.2 - Persistence and degradability

| | |
|---------------------------------|-------------------|
| Biochemical oxygen demand (BOD) | No data available |
| Chemical oxygen demand (COD) | No data available |
| % of biodegradation in 28 days | No data available |

- No information available.

12.3 - Bioaccumulative potential

| | |
|-------------------------------|-------------------|
| Bioconcentration factor (BCF) | No data available |
| Log KOC | No data available |

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

- No information available.

- No information available.

12.6 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Total Hardness Photometer

| | |
|---|---|
| <u>Waste treatment methods</u> | - Dispose of waste according to applicable legislation. |
| <u>Sewage disposal</u> | - No information available. |
| <u>Special precautions for waste treatment</u> | - No information available. |
| <u>Community or national or regional provisions</u> | - Dispose according to legislation. |

SECTION 14: Transport information

14.1 - UN number

Not applicable

14.2 - UN proper shipping name

14.3 - Transport hazard class(es)

14.4 - Packing group

14.5 - Environmental hazards

Additional information - No dangerous good in sense of these transport regulations.

14.6 - Special precautions for user

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

SECTION 15: Regulatory information

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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content No data available

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

SECTION 16: Other information

SDS versions

| Version | Issue date | Description of the amendments |
|---------|------------|-------------------------------|
| 1 | 10.01.2019 | MSDS creation |

Abbreviations and acronyms - See overview table at www.euphrac.eu

Texts of the regulatory sentences

| | |
|----------------|----------------|
| Not Classified | Not classified |
|----------------|----------------|

Total Hardness Photometer

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*** **