

## 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  
CAS No.

#### 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  
+49 (0) 721 - 78 20 29 - 0 Fax+49 (0) 721 - 78 20 29 - 11  
EHS / Compliance: lab@water-id.com

#### 1.4 - Emergency telephone number

- 毒物管理センター ミュンヘン  
Tel: +49 (0) 89 / 19 24 0  
ドイツ  
24時間サービス  
言語 ドイツ語, 英語  
からもお電話ください。Japan

### SECTION 2: Hazards identification

#### 2.1 - Classification of the substance or mixture

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

#### 2.2 - Label elements

Signal word  
Hazard pictograms  
Hazard statements

Precautionary statements

#### 2.3 - Other hazards

PBT-substance. - No information available.  
vPvB-substance. - No information available.

### SECTION 3: Composition / information on ingredients

- Not applicable

#### 3.1 - Substances

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Not applicable

3.2 - Mixtures

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### SECTION 4: First aid measures

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4.1 - Description of first aid measures

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

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

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### SECTION 5: Firefighting measures

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5.1 - Extinguishing media

5.2 - Special hazards arising from the substance or mixture

5.3 - Advice for firefighters

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### SECTION 6: Accidental release measures

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6.1 - Personal precautions, protective equipment and emergency procedures

6.2 - Environmental precautions

6.3 - Methods and material for containment and cleaning up

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### SECTION 7: Handling and storage

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7.1 - Precautions for safe handling

7.2 - Conditions for safe storage, including any incompatibilities

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### SECTION 8: Exposure controls/personal protection

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8.1 - Control parameters

8.2 - Exposure controls

8.3. - Individual protection measures, such as personal protective equipment

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### SECTION 9: Physical and chemical properties

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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	

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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

### 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

### 10.2 - Chemical stability

### 10.3 - Possibility of hazardous reactions

### 10.4 - Conditions to avoid

### 10.5 - Incompatible materials

### 10.6 - Hazardous decomposition products

## 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

Skin corrosion/irritation - Not classified

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Serious eye damage/eye irritation - Not classified

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

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### SECTION 12: Ecological information

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#### 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

#### 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

#### 12.3 - Bioaccumulative potential

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

#### 12.4 - Mobility in soil

#### 12.6 - Other adverse effects

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### SECTION 13: Disposal considerations

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#### 13.1 - Waste treatment methods

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### SECTION 14: Transport information

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#### 14.1 - UN number

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UN number (ADR) : Not applicable  
UN number (RID) : Not applicable  
UN number (IMDG) : Not applicable  
UN number (IATA) : Not applicable

14.2 - UN proper shipping name

14.3 - Transport hazard class(es)

ADR Classification code: :

14.4 - Packing group

14.5 - Environmental hazards

Environmental hazards :

Marine pollutant :

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

VOC content No data available

- Substance/product listed in the following inventories:

Community safety, health and environmental provisions, national laws Existing Chemical Substances (CSCL) (CAS No. : 7447-40-7, CAS No. : 56-40-6, CAS No. : 77-86-1).  
Chemical Substances exempted from notification of manufacturing/import amount (CSCL) (CAS No. : 7447-40-7, CAS No. : 56-40-6).  
Biodegradation and Bioconcentration Results (METI) (CAS No. : 56-40-6).

15.2 - Chemical Safety Assessment

### SECTION 16: Other information

SDS versions

Version	Issue date	Description of the amendments
1	22.04.2020	Creation

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.

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