

# Cya-Test Photometer

Version number: GHS 1.0

Date of compilation: 2025-09-05

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

### 1.1 Product identifier

Trade name **Cya-Test Photometer**  
Article number TbsPCAT

### 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  
Daimlerstrasse 20  
76344 Eggenstein  
Germany

Telephone: +49 (0) 721-78 20 29-0  
e-mail: lab@water-id.com  
Website: <https://www.water-id.com>  
e-mail (competent person)

lab@water-id.com

### 1.4 Emergency telephone number

| Poison centre                             |                 |
|-------------------------------------------|-----------------|
| Name                                      | Telephone       |
| National Chemical Emergency Centre (NCEC) | +44 1235 239670 |

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification (acc. to GB CLP)

| Section | Hazard class    | Category | Hazard class and category | Hazard statement |
|---------|-----------------|----------|---------------------------|------------------|
| 3.6     | carcinogenicity | 2        | Carc. 2                   | H351             |

For full text of abbreviations: see SECTION 16.

### 2.2 Label elements

Labelling (acc. to GB CLP)

- Signal word warning

- Pictograms

GHS08



- Hazard statements  
H351

Suspected of causing cancer.

## Cya-Test Photometer

Version number: GHS 1.0

Date of compilation: 2025-09-05

### - Precautionary statements

- P201 Obtain special instructions before use.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P405 Store locked up.  
P501 Dispose of contents/container to industrial combustion plant.

Tactile warning of danger yes

- Hazardous ingredients for labelling 1,3,5-triazine-2,4,6-triamine

### 2.3 Other hazards

#### Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0,1\%$ .

#### Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture)

### 3.2 Mixtures

Description of the mixture

| Name of substance             | Identifier                                                                   | Wt%      | Classification acc. to GHS              |
|-------------------------------|------------------------------------------------------------------------------|----------|-----------------------------------------|
| 1,3,5-triazine-2,4,6-triamine | CAS No<br>108-78-1<br><br>EC No<br>203-615-4<br><br>Index No<br>613-345-00-2 | 5 – < 10 | Carc. 2 / H351<br>STOT RE 2 / H373      |
| citric acid                   | CAS No<br>77-92-9<br><br>EC No<br>201-069-1<br><br>Index No<br>607-750-00-3  | 1 – < 5  | Eye Irrit. 2 / H319<br>STOT SE 3 / H335 |

### Remarks

For full text of abbreviations: see SECTION 16

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

#### Following skin contact

Wash with plenty of soap and water.

#### Following eye contact

## Cya-Test Photometer

Version number: GHS 1.0

Date of compilation: 2025-09-05

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

Symptoms and effects are not known to date.

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

none

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media

Water, Foam, ABC-powder

Unsuitable extinguishing media

Water jet

### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

### 6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains, Take up mechanically

Advice on how to clean up a spill

Take up mechanically.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

## Cya-Test Photometer

Version number: GHS 1.0

Date of compilation: 2025-09-05

### Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

### 7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres
- Removal of dust deposits.

### 7.3 Specific end use(s)

See section 16 for a general overview.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)  
this information is not available

| Relevant DNELs of components   |          |          |                        |                                    |                   |                            |
|--------------------------------|----------|----------|------------------------|------------------------------------|-------------------|----------------------------|
| Name of substance              | CAS No   | Endpoint | Threshold level        | Protection goal, route of exposure | Used in           | Exposure time              |
| 1,3,5-triazine-2,4,6-tri-amine | 108-78-1 | DNEL     | 8.3 mg/m <sup>3</sup>  | human, inhalatory                  | worker (industry) | chronic - systemic effects |
| 1,3,5-triazine-2,4,6-tri-amine | 108-78-1 | DNEL     | 82.3 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry) | acute - systemic effects   |
| 1,3,5-triazine-2,4,6-tri-amine | 108-78-1 | DNEL     | 11.8 mg/kg bw/day      | human, dermal                      | worker (industry) | chronic - systemic effects |

| Relevant PNECs of components   |          |          |                 |                       |                              |                              |
|--------------------------------|----------|----------|-----------------|-----------------------|------------------------------|------------------------------|
| Name of substance              | CAS No   | Endpoint | Threshold level | Organism              | Environmental compartment    | Exposure time                |
| 1,3,5-triazine-2,4,6-tri-amine | 108-78-1 | PNEC     | 0.51 mg/l       | aquatic organisms     | freshwater                   | short-term (single instance) |
| 1,3,5-triazine-2,4,6-tri-amine | 108-78-1 | PNEC     | 0.051 mg/l      | aquatic organisms     | marine water                 | short-term (single instance) |
| 1,3,5-triazine-2,4,6-tri-amine | 108-78-1 | PNEC     | 100 mg/l        | aquatic organisms     | sewage treatment plant (STP) | short-term (single instance) |
| 1,3,5-triazine-2,4,6-tri-amine | 108-78-1 | PNEC     | 13.06 mg/kg     | aquatic organisms     | freshwater sediment          | short-term (single instance) |
| 1,3,5-triazine-2,4,6-tri-amine | 108-78-1 | PNEC     | 1.306 mg/kg     | aquatic organisms     | marine sediment              | short-term (single instance) |
| 1,3,5-triazine-2,4,6-tri-amine | 108-78-1 | PNEC     | 2.312 mg/kg     | terrestrial organisms | soil                         | short-term (single instance) |

### 8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Use protective eyewear to guard against splash of liquids.

Skin protection

## Cya-Test Photometer

Version number: GHS 1.0

Date of compilation: 2025-09-05

- Hand protection  
>480 minutes (permeation: level 6).
- Other protection measures  
Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling. Protective clothing for use against solid particulates.
- Respiratory protection  
In case of inadequate ventilation wear respiratory protection.
- Environmental exposure controls  
Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

|                                                          |                                                         |
|----------------------------------------------------------|---------------------------------------------------------|
| Physical state                                           | solid (tablets)                                         |
| Colour                                                   | white                                                   |
| Odour                                                    | odourless                                               |
| Melting point/freezing point                             | not determined                                          |
| Boiling point or initial boiling point and boiling range | >325 °C                                                 |
| Flammability                                             | non-combustible                                         |
| Lower and upper explosion limit                          | not relevant (solid)                                    |
| Flash point                                              | not applicable                                          |
| Auto-ignition temperature                                | >400 °C (relative self-ignition temperature for solids) |
| Decomposition temperature                                | not relevant                                            |
| pH (value)                                               | 6.3 (20 °C)                                             |
| Kinematic viscosity                                      | not relevant                                            |
| Solubility(ies)                                          | not determined                                          |

#### Partition coefficient

|                                                   |                                   |
|---------------------------------------------------|-----------------------------------|
| Partition coefficient n-octanol/water (log value) | this information is not available |
|---------------------------------------------------|-----------------------------------|

|                 |                   |
|-----------------|-------------------|
| Vapour pressure | <0.01 Pa at 20 °C |
|-----------------|-------------------|

#### Density and/or relative density

|                         |                      |
|-------------------------|----------------------|
| Density                 | not determined       |
| Relative vapour density | not relevant (solid) |

## Cya-Test Photometer

Version number: GHS 1.0

Date of compilation: 2025-09-05

|                          |                   |
|--------------------------|-------------------|
| Particle characteristics | no data available |
|--------------------------|-------------------|

### 9.2 Other information

|                                                    |                                                             |
|----------------------------------------------------|-------------------------------------------------------------|
| Information with regard to physical hazard classes | hazard classes acc. to GHS (physical hazards): not relevant |
|----------------------------------------------------|-------------------------------------------------------------|

Other safety characteristics

|                |       |
|----------------|-------|
| Liquid content | 0 %   |
| Solid content  | 100 % |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

### 10.2 Chemical stability

See below "Conditions to avoid".

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

### 10.5 Incompatible materials

Oxidisers

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### Classification acc. to GHS

Acute toxicity

Shall not be classified as acutely toxic.

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Suspected of causing cancer.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

## Cya-Test Photometer

Version number: GHS 1.0

Date of compilation: 2025-09-05

- Shall not be classified as a specific target organ toxicant (single exposure).
- Specific target organ toxicity - repeated exposure
  - Shall not be classified as a specific target organ toxicant (repeated exposure).
- Aspiration hazard
  - Shall not be classified as presenting an aspiration hazard.

### SECTION 12: Ecological information

#### 12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

#### 12.2 Persistence and degradability

Data are not available.

#### 12.3 Bioaccumulative potential

Data are not available.

#### 12.4 Mobility in soil

Data are not available.

#### 12.5 Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0,1\%$ .

#### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

#### 12.7 Other adverse effects

Data are not available.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

### SECTION 14: Transport information

- |                                                                     |                                                                       |
|---------------------------------------------------------------------|-----------------------------------------------------------------------|
| <b>14.1 UN number</b>                                               | not subject to transport regulations                                  |
| <b>14.2 UN proper shipping name</b>                                 | not relevant                                                          |
| <b>14.3 Transport hazard class(es)</b>                              | none                                                                  |
| <b>14.4 Packing group</b>                                           | not assigned                                                          |
| <b>14.5 Environmental hazards</b>                                   | non-environmentally hazardous acc. to the dangerous goods regulations |
| <b>14.6 Special precautions for user</b>                            | There is no additional information.                                   |
| <b>14.7 Maritime transport in bulk according to IMO instruments</b> | The cargo is not intended to be carried in bulk.                      |

#### Information for each of the UN Model Regulations

## Cya-Test Photometer

Version number: GHS 1.0

Date of compilation: 2025-09-05

### International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG.

### International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Not subject to ICAO-IATA.

## SECTION 15: Regulatory information

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

#### Relevant provisions of the European Union (EU)

##### Deco-Paint Directive

|             |     |
|-------------|-----|
| VOC content | 0 % |
|-------------|-----|

##### Industrial Emissions Directive (IED)

|             |     |
|-------------|-----|
| VOC content | 0 % |
|-------------|-----|

#### Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

none of the ingredients are listed

#### Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

none of the ingredients are listed

#### Water Framework Directive (WFD)

| List of pollutants (WFD)      |        |           |         |
|-------------------------------|--------|-----------|---------|
| Name of substance             | CAS No | Listed in | Remarks |
| 1,3,5-triazine-2,4,6-triamine |        | a)        |         |

#### Legend

a) Indicative list of the main pollutants

#### Regulation on persistent organic pollutants (POP)

none of the ingredients are listed

#### National regulations (GB)

#### List of substances subject to authorisation (GB REACH, Annex 14) / SVHC - candidate list

none of the ingredients are listed

#### Restrictions according to GB REACH, Annex 17

none of the ingredients are listed

#### National inventories

| Country | Inventory  | Status                              |
|---------|------------|-------------------------------------|
| AU      | AIIC       | all ingredients are listed          |
| CN      | IECSC      | all ingredients are listed          |
| EU      | ECSI       | not all ingredients are listed      |
| EU      | REACH Reg. | not all ingredients are listed      |
| US      | TSCA       | all ingredients are listed (ACTIVE) |

#### Legend

AIIC Australian Inventory of Industrial Chemicals  
ECSI EC Substance Inventory (EINECS, ELINCS, NLP)

## Cya-Test Photometer

Version number: GHS 1.0

Date of compilation: 2025-09-05

### Legend

IECSC      Inventory of Existing Chemical Substances Produced or Imported in China  
REACH Reg.   REACH registered substances  
TSCA      Toxic Substance Control Act

## 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Abbreviations and acronyms

| Abbr.      | Descriptions of used abbreviations                                                                                                                                                |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ADR        | Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)                     |
| Carc.      | Carcinogenicity                                                                                                                                                                   |
| CAS        | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)                                                                            |
| DGR        | Dangerous Goods Regulations (see IATA/DGR)                                                                                                                                        |
| DNEL       | Derived No-Effect Level                                                                                                                                                           |
| EC No      | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union) |
| ED         | Endocrine disruptor                                                                                                                                                               |
| EINECS     | European Inventory of Existing Commercial Chemical Substances                                                                                                                     |
| ELINCS     | European List of Notified Chemical Substances                                                                                                                                     |
| Eye Dam.   | Seriously damaging to the eye                                                                                                                                                     |
| Eye Irrit. | Irritant to the eye                                                                                                                                                               |
| GB CLP     | The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/720 (as amended)                        |
| GB REACH   | The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended)                                                                                              |
| GHS        | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations                                                                         |
| IATA       | International Air Transport Association                                                                                                                                           |
| IATA/DGR   | Dangerous Goods Regulations (DGR) for the air transport (IATA)                                                                                                                    |
| ICAO       | International Civil Aviation Organization                                                                                                                                         |
| IMDG       | International Maritime Dangerous Goods Code                                                                                                                                       |
| index No   | The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008                                                          |
| NLP        | No-Longer Polymer                                                                                                                                                                 |
| PBT        | Persistent, Bioaccumulative and Toxic                                                                                                                                             |
| PNEC       | Predicted No-Effect Concentration                                                                                                                                                 |
| RID        | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)           |
| STOT RE    | Specific target organ toxicity - repeated exposure                                                                                                                                |
| STOT SE    | Specific target organ toxicity - single exposure                                                                                                                                  |
| VOC        | Volatile Organic Compounds                                                                                                                                                        |
| vPvB       | Very Persistent and very Bioaccumulative                                                                                                                                          |

### Key literature references and sources for data

## Cya-Test Photometer

Version number: GHS 1.0

Date of compilation: 2025-09-05

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended). The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/720 (as amended). GB mandatory classification and labelling.

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in section 2 and 3)

| Code | Text                                                               |
|------|--------------------------------------------------------------------|
| H319 | Causes serious eye irritation.                                     |
| H335 | May cause respiratory irritation.                                  |
| H351 | Suspected of causing cancer.                                       |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.