

Safety Data Sheet

according to WHS Regulations

Printing date 31.03.2020

Reviewed on 31.03.2020

Not classified as hazardous according to criteria of Australian Safety and Compensation Council.

1 Identification

- **Product identifier**
- **Trade name: CyA-Test**
- **Catalogue number:** 00511371, 511370BT, 4511370BT, 511371BT, 4511371BT, 511380BT, 511381BT, 00511379BT
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Application of the substance / the mixture:** Reagent for water analysis
- **Manufacturer/Supplier:**
Waterlilly Australia Pty Ltd
(ABN 86 079 391 503)
PO Box 48
Haberfield NSW 2045
Phone : 02 9798 9975
Email : water-lilly@bigpond.com
- **Emergency telephone number:**
NSW Poisons Information Centre
The Children's Hospital at Westmead
Locked Bag 4001
Westmead NSW 2145

Phone : 13 11 26 (24 Hour National Hotline)

2 Hazard(s) Identification

- **Classification of the substance or mixture** The product is not classified as hazardous.
- **Label elements**
- **Hazard pictograms** none
- **Signal word** none
- **Hazard statements** none
- **Other hazards** No further relevant information available.

* 3 Composition and Information on Ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of organic and inorganic compounds

· **Composition and Information on Ingredients:**

CAS: 108-78-1	melamine	5-10%
EINECS: 203-615-4		
RTECS: OS0700000		

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

4 First Aid Measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes (at least 15 min) under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink 1-2 glasses of water.
If symptoms persist consult doctor.
- **Most important symptoms and effects, both acute and delayed**
thirst
sickness
vomiting

(Contd. on page 2)

—AU—

Safety Data Sheet

according to WHS Regulations

Printing date 31.03.2020

Reviewed on 31.03.2020

Trade name: **CyA-Test**

(Contd. of page 1)

abdominal pain

diarrhoea

general feeling of sickness

- **Indication of any immediate medical attention and special treatment needed:** No further relevant information available.

5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture**
 - Can burn in fire.
 - Formation of toxic gases is possible during heating or in case of fire.
 - In case of fire, the following can be released:
 - Hydrogen chloride (HCl)
 - nitrous gases
 - Sulfur oxides (SO_x)
 - Nitrogen oxides (NO_x)
 - Ammonia (NH₃)
 - Phosphorus oxides (P_xO_x)
 - Potassium oxide
 - Hydrogen cyanide (prussic acid HCN)
- **Advice for firefighters**
- **Protective equipment:**
 - Wear self-contained respiratory protective device.
 - Wear fully protective suit.
- **Additional information**
 - Collect contaminated fire fighting water separately. It must not enter the sewage system.
 - Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
 - Ambient fire may liberate hazardous vapours.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**
- **Advice for non-emergency personnel:** No special measures required.
- **Advice for emergency responders:** Protective equipment: see section 8
- **Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **Methods and material for containment and cleaning up:**
 - Ensure adequate ventilation.
 - Pick up mechanically.
 - Dispose contaminated material as waste according to item 13.
- **Reference to other sections**
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for disposal information.

7 Handling and Storage

- **Precautions for safe handling**
- **Advice on safe handling:** No special precautions are necessary if used correctly.
- **Hygiene measures:**
 - The usual precautionary measures for handling chemicals should be followed.
 - Wash hands before breaks and at the end of work.
 - Do not eat, drink or smoke when using this product.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
 - Requirements to be met by storerooms and receptacles:** Store in a cool location.
 - Information about storage in one common storage facility:** Store away from oxidizing agents.
 - Further information about storage conditions:**
 - Store in cool, dry conditions in well sealed receptacles.
 - Protect from heat and direct sunlight.
 - Protect from exposure to the light.
 - Store in dry conditions.

(Contd. on page 3)

— AU —

Safety Data Sheet

according to WHS Regulations

Printing date 31.03.2020

Reviewed on 31.03.2020

Trade name: **CyA-Test**

(Contd. of page 2)

Protect from humidity and water.

This product is hygroscopic.

- **Recommended storage temperature:** 20°C +/- 5°C (approx. 68°F)
- **Specific end use(s)** No further relevant information available.

8 Exposure controls and personal protection

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

CAS: 108-78-1 melamine

WEEL (USA)	Long-term value: 3 mg/m ³
	OARS WEEL

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Engineering measures:**

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.
See item 7.

- **Personal protective equipment:**

Protective clothing should be selected specifically for the workplace, depending on concentration and quantity of the hazardous substances handled.

- **Breathing equipment:** Use respiratory protective device against the effects of fume/dust/aerosol.

- **Recommended filter device for short term use:** Filter P1

- **Protection of hands:**

Preventive skin protection by use of skin-protecting agents is recommended.

After use of gloves apply skin-cleaning agents and skin cosmetics.

- **Material of gloves**

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.11 mm

- **Penetration time of glove material**

Value for the permeation: Level ≤ 1 (10 min)

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**

Safety glasses

use against the effects of fumes / dust

- **Body protection:** Protective work clothing

- **Limitation and supervision of exposure into the environment:**

Do not allow product to reach sewage system or any water course.

9 Physical and Chemical Properties

- **Information on basic physical and chemical properties**

- **Appearance:**

Form / Physical state:	Tablets
Color:	White

- **Odor:** Odorless

- **Odor threshold:** Not applicable.

- **pH-value at 20°C (68°F):** 6

- **Melting point/freezing point:** Not determined.

- **Initial boiling point and boiling range:** Not determined.

- **Flash point:** Not determined.

- **Flammability (solid, gas):** Not determined.

- **Ignition temperature:** > 600°C (> 1112°F)

- **Decomposition temperature:** Not determined.

- **Auto-ignition temperature:** Product is not self-igniting.

- **Danger of explosion:** Product does not present an explosion hazard.

(Contd. on page 4)

— AU —

Safety Data Sheet

according to WHS Regulations

Printing date 31.03.2020

Reviewed on 31.03.2020

Trade name: **CyA-Test**

(Contd. of page 3)

· Flammability or explosive limits:	
Lower:	Not determined.
Upper:	Not determined.
· Oxidizing properties:	none
· Vapor Pressure:	Not applicable.
· Density at 20°C (68°F):	1.38 g/cm ³ (11.52 lbs/gal)
· Relative density:	Not determined.
· Vapor density:	Not applicable.
· Evaporation rate:	Not applicable.
· Solubility(ies)	
Water:	Soluble.
· Partition coefficient (n-octanol/water):	Not applicable.
· Viscosity:	Not applicable.
· Solvent content:	
Organic solvents:	0.0 %
Solids content:	100.0 %
· Other information	No further relevant information available.

10 Stability and Reactivity

- **Reactivity** see section "Possibility of hazardous reactions"
- **Chemical stability** Stable at ambient temperature (room temperature).
- **Possibility of hazardous reactions**
Reacts with acids, alkalis and oxidizing agents.
--> Forms heat.
- **Conditions to avoid** Strong heating (decomposition)
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** see section 5

*11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.

· LD/LC50 values that are relevant for classification:

CAS: 108-78-1 melamine

Oral	LD50	3161 mg/kg (rat) (Registrant, ECHA)
Dermal	LD50.	>1000 mg/kg (rabbit) (Registrant, ECHA)
Inhalative	LC50.	>5.19 mg/l/4h (rat) (Aerosol) (Registrant, ECHA: no deaths at this concentration)

- **Primary irritant effect:**
- **on the skin:** Based on available data, the classification criteria are not met.
- **on the eye:** Based on available data, the classification criteria are not met.
- **Sensitization:** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** The following statements refer to the mixture:
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT (specific target organ toxicity) -single exposure** Based on available data, the classification criteria are not met.
- **STOT (specific target organ toxicity) -repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

(Contd. on page 5)

Safety Data Sheet

according to WHS Regulations

Printing date 31.03.2020

Reviewed on 31.03.2020

Trade name: **CyA-Test**

(Contd. of page 4)

· **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.

*12 Ecological Information

· **Toxicity**

· **Aquatic toxicity:**

CAS: 108-78-1 melamine

LC50 >500 mg/l/48h (gold orfe)

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

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

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

· **Other adverse effects**

Depending on the concentration, phosphorus and/or nitrogen compounds may contribute to the eutrophication of water supplies.

Avoid transfer into the environment.

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

· UN-Number	
· ADG, IMDG, IATA	none
· UN proper shipping name	
· ADG, IMDG, IATA	none
· Transport hazard class(es)	
· ADG, IMDG, IATA	
· Class	none
· Packing group	
· ADG, IMDG, IATA	none
· Environmental hazards:	Not applicable.
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.

*15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Australian Inventory of Chemical Substances (AICS)**

All ingredients are listed.

(Contd. on page 6)

— AU —

Safety Data Sheet

according to WHS Regulations

Printing date 31.03.2020

Reviewed on 31.03.2020

Trade name: **CyA-Test**

(Contd. of page 5)

· Standard for the Uniform Scheduling of Medicines and Poisons

None of the ingredient is listed.

· Australia: Priority Existing Chemicals

None of the ingredients is listed.

· Regulation (EC) No 1005/2009 on substances that deplete the ozone layer:

None of the ingredients is listed.

· **Information about limitation of use:** Not required.

· **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.

· **Date of preparation / last revision** 31/03/2020 / 22

· **Abbreviations and acronyms:**

STOT: specific target organ toxicity

SE: single exposure

RE: repeated exposure

EC50: half maximal effective concentration

IC50: half maximal inhibitory concentration

NOEL or NOEC: No Observed Effect Level or Concentration

ACGIH® - American Conference of Governmental Industrial Hygienists

•A1 - Confirmed human carcinogen

•A2 - Suspected human carcinogen

•A3 - Confirmed animal carcinogen with unknown relevance to humans

•A4 - Not classifiable as a human carcinogen

•A5 - Not suspected as a human carcinogen

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

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

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

· **Sources**

Data arise from safety data sheets, reference works and literature.

Data arise from safety data sheets, reference works and literature.

· * **Data compared to the previous version altered.**