

# SAFETY DATA SHEET

## Crystal Violet

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

#### 1.1. Product Identifier

**Product name** Crystal Violet  
**Product number** PL.7000,PL.7000/25,PL.7000/100,PL.7001,PL.7002

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

**Identified uses** Laboratory reagent.  
**Uses advised against** No specific uses advised against are identified.

#### 1.3. Details of the supplier of the safety data sheet

**Supplier** Pro-Lab Diagnostics  
3 Bassendale Road  
Wirral  
Merseyside  
CH62 3QL  
Tel: 0151 353 1613  
Fax: 0151 353 1614  
mowen@pro-lab.com

#### 1.4. Emergency telephone number

**Emergency telephone** +44 (0)151 353 1613 Monday to Friday 9.00 to 17.00  
+44 (0)7714 429 646 outside the above hours

### SECTION 2: Hazards identification

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

##### Classification

**Physical hazards** Not Classified  
**Health hazards** Not Classified  
**Environmental hazards** Aquatic Chronic 3 - H412

**Classification (67/548/EEC or 1999/45/EC)** R52/53

#### 2.2. Label elements

**Hazard statements** H412 Harmful to aquatic life with long lasting effects.  
**Precautionary statements** P273 Avoid release to the environment.  
P501 Dispose of contents/container in accordance with national regulations.

#### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

## Crystal Violet

|   |  |  |
|---|--|--|
| <b>ethanol</b>  |  | <b>2.5 - &lt;5%</b>                              |
| CAS number: 64-17-5   | EC number: 200-578-6   |  |
| Substance with National workplace exposure limits.  |  |  |
| <b>Classification</b><br>Flam. Liq. 2 - H225  | <b>Classification (67/548/EEC or 1999/45/EC)</b><br>F, R11   |  |
| <b>C.I. basic violet 3</b>  |  | <b>0.5 - &lt;1%</b>                              |
| CAS number: 548-62-9  | EC number: 208-953-6   |  |
| M factor (Acute) = 1  | M factor (Chronic) = 1   |  |
| <b>Classification</b><br>Acute Tox. 4 - H302<br>Skin Irrit. 2 - H315<br>Eye Dam. 1 - H318<br>Carc. 2 - H351<br>Aquatic Acute 1 - H400<br>Aquatic Chronic 1 - H410 | <b>Classification (67/548/EEC or 1999/45/EC)</b><br>Xn; R22. Xi; R41, R38. Carc. Cat. 3 R40. N; R50/53 |  |
| <b>methanol</b>   |  | <b>0.25 - &lt;0.5%</b>                           |
| CAS number: 67-56-1   | EC number: 200-659-6   | REACH registration number: 01-2119433307-44-XXXX |
| <b>Classification</b><br>Flam. Liq. 2 - H225<br>Acute Tox. 3 - H301<br>Acute Tox. 3 - H311<br>Acute Tox. 3 - H331<br>STOT SE 1 - H370                             | <b>Classification (67/548/EEC or 1999/45/EC)</b><br>F; R11. T; R23/24/25, R39/23/24/25                 |  |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.   |
| <b>Ingestion</b>    | Rinse mouth thoroughly with water. Give plenty of water to drink. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. |
| <b>Skin contact</b> | Wash skin thoroughly with soap and water.  |
| <b>Eye contact</b>  | Remove any contact lenses and open eyelids wide apart. Continue to rinse.  |

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

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Irritation of nose, throat and airway.                   |
| <b>Ingestion</b>    | May cause discomfort if swallowed.                       |
| <b>Skin contact</b> | Prolonged skin contact may cause redness and irritation. |
| <b>Eye contact</b>  | May cause temporary eye irritation.                      |

## Crystal Violet

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

**Notes for the doctor** The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

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

**Hazardous combustion products** Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Control run-off water by containing and keeping it out of sewers and watercourses.

**Special protective equipment for firefighters** Use protective equipment appropriate for surrounding materials.

### **SECTION 6: Accidental release measures**

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

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Keep unnecessary and unprotected personnel away from the spillage. Treat the spilled material according to the instructions in the clean-up section.

#### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material. The product contains substances which are water-soluble and may spread in water systems. The product contains volatile substances which may spread in the atmosphere.

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

**Methods for cleaning up** Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

#### 6.4. Reference to other sections

**Reference to other sections** See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

### **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

**Usage precautions** Read and follow manufacturer's recommendations.

**Advice on general occupational hygiene** Avoid contact with eyes and prolonged skin contact.

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

**Storage precautions** Store in a cool and well-ventilated place.

#### 7.3. Specific end use(s)

## Crystal Violet

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

###### ethanol

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>

###### methanol

Long-term exposure limit (8-hour TWA): WEL 200 ppm 266 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m<sup>3</sup>

Sk

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

#### 8.2. Exposure controls

|                            |   |
|----------------------------|---|
| <b>Eye/face protection</b> | No specific eye protection required during normal use.  |
| <b>Hand protection</b>     | The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. |
| <b>Hygiene measures</b>    | No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.                                 |

### SECTION 9: Physical and Chemical Properties

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

|   |                   |
|---|-------------------|
| <b>Appearance</b>                                   | Liquid.           |
| <b>Colour</b>                                       | Violet.           |
| <b>Odour</b>  | Almost odourless. |
| <b>Odour threshold</b>                              | Not determined.   |
| <b>pH</b>   | Not determined.   |
| <b>Melting point</b>                                | Not relevant.     |
| <b>Initial boiling point and range</b>              | Not determined.   |
| <b>Flash point</b>                                  | Not determined.   |
| <b>Evaporation rate</b>                             | Not determined.   |
| <b>Evaporation factor</b>                           | Not determined.   |
| <b>Flammability (solid, gas)</b>                    | Not relevant.     |
| <b>Upper/lower flammability or explosive limits</b> | Not relevant.     |
| <b>Vapour pressure</b>                              | Not determined.   |
| <b>Vapour density</b>                               | Not determined.   |
| <b>Relative density</b>                             | Not determined.   |
| <b>Bulk density</b>                                 | Not determined.   |
| <b>Solubility(ies)</b>                              | Soluble in water. |

## Crystal Violet

|                                  |   |
|----------------------------------|---|
| <b>Partition coefficient</b>     | Not determined.   |
| <b>Auto-ignition temperature</b> | Not relevant.   |
| <b>Decomposition Temperature</b> | Not relevant.   |
| <b>Viscosity</b>                 | Not determined.   |
| <b>Explosive properties</b>      | Not considered to be explosive.   |
| <b>Oxidising properties</b>      | The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising. |

### 9.2. Other Information

**Other Information** No information required.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Will not polymerise.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid excessive heat for prolonged periods of time.

### 10.5. Incompatible materials

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** None at ambient temperatures. Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen.

## SECTION 11: Toxicological Information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE oral (mg/kg)** 66,733.40006673

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE dermal (mg/kg)** 66,733.40006673

#### Acute toxicity - Inhalation

**Notes (Inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE Inhalation (gases ppm)** 155,711.26682238

**ATE inhalation (vapours mg/l)** 667.33400067

#### Skin corrosion/irritation

## Crystal Violet

|  |   |
|--|---|
| <b>Animal data</b>   | Based on available data the classification criteria are not met.              |
| <b><u>Serious eye damage/irritation</u></b>                      |   |
| <b>Serious eye damage/irritation</b>                             | Based on available data the classification criteria are not met.              |
| <b><u>Respiratory sensitisation</u></b>                          |   |
| <b>Respiratory sensitisation</b>                                 | Based on available data the classification criteria are not met.              |
| <b><u>Skin sensitisation</u></b>                                 |   |
| <b>Skin sensitisation</b>  | Based on available data the classification criteria are not met.              |
| <b><u>Germ cell mutagenicity</u></b>                             |   |
| <b>Genotoxicity - in vitro</b>                                   | Based on available data the classification criteria are not met.              |
| <b>Genotoxicity - in vivo</b>                                    | Based on available data the classification criteria are not met.              |
| <b><u>Carcinogenicity</u></b>                                    |   |
| <b>Carcinogenicity</b>   | Based on available data the classification criteria are not met.              |
| <b><u>Reproductive toxicity</u></b>                              |   |
| <b>Reproductive toxicity - fertility</b>                         | Based on available data the classification criteria are not met.              |
| <b><u>Specific target organ toxicity - single exposure</u></b>   |   |
| <b>STOT - single exposure</b>                                    | Based on available data the classification criteria are not met.              |
| <b><u>Specific target organ toxicity - repeated exposure</u></b> |   |
| <b>STOT - repeated exposure</b>                                  | Based on available data the classification criteria are not met.              |
| <b><u>Aspiration hazard</u></b>                                  |   |
| <b>Aspiration hazard</b>   | Not anticipated to present an aspiration hazard, based on chemical structure. |

### Toxicological information on Ingredients.

#### ethanol

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 10,470.0

**Species** Rat

**Notes (oral LD<sub>50</sub>)** REACH dossier information. Based on available data the classification criteria are not met.

**ATE oral (mg/kg)** 10,470.0

##### Acute toxicity - Inhalation

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 124.7

**Species** Rat

**Notes (inhalation LC<sub>50</sub>)** REACH dossier information. Based on available data the classification criteria are not met.

**ATE inhalation (vapours mg/l)** 124.7

##### Skin corrosion/irritation

## Crystal Violet

**Animal data** Dose: 0.2 ml, 24 hours, Rabbit Primary dermal irritation index: 0 / 8 REACH dossier information. Not irritating.

### Skin sensitisation

**Skin sensitisation** Guinea pig maximization test (GPMT) - Mouse: Not sensitising. REACH dossier information. Read across data. Based on available data the classification criteria are not met.

### Germ cell mutagenicity

**Genotoxicity - in vitro** Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.

**Genotoxicity - In vivo** Chromosome aberration: Negative. REACH dossier information. Based on available data the classification criteria are not met.

### Carcinogenicity

**IARC carcinogenicity** IARC Group 1 Carcinogenic to humans.

### Reproductive toxicity

**Reproductive toxicity - fertility** Two-generation study - NOEL 15 %, Oral, Mouse P REACH dossier information.

**Reproductive toxicity - development** Maternal toxicity: - NOEL: 16000 ppm, Inhalation, Rat REACH dossier information.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** LOAEL 4 mL/Kg, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

### C.I. basic violet 3

### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 420.0

**Species** Rat

**Notes (oral LD<sub>50</sub>)** Raw material suppliers' information.

**ATE oral (mg/kg)** 420.0

### Skin corrosion/irritation

**Animal data** Skin Irrit. 2 - H315 Causes skin irritation.

### Serious eye damage/Irritation

**Serious eye damage/Irritation** REACH dossier information. Eye Dam. 1 - H318 Causes serious eye damage.

### Germ cell mutagenicity

**Genotoxicity - In vitro** Bacterial reverse mutation test: Negative. REACH dossier information. Based on available data the classification criteria are not met.

### Carcinogenicity

**Carcinogenicity** Carc. 2 - H351 Suspected of causing cancer.

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### methanol

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** International Programme on Chemical Safety (IPCS) (1997) Environmental Health Criteria 196: Methanol. Geneva, World Health Organization. Toxic if swallowed.

**ATE oral (mg/kg)** 300.0

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Converted acute toxicity point estimate (cATpE) Toxic in contact with skin.

**ATE dermal (mg/kg)** 300

#### Acute toxicity - inhalation

**Notes (Inhalation LC<sub>50</sub>)** Converted acute toxicity point estimate (cATpE) Toxic if inhaled.

**ATE inhalation (gases ppm)** 700.0

**ATE Inhalation (vapours mg/l)** 3.0

#### Skin corrosion/irritation

**Animal data** Dose: 2.5cm x 2.5cm, 20 hours, Rabbit Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). REACH dossier information. Based on available data the classification criteria are not met.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Dose: 0.05 ml, 24 hours, Rabbit REACH dossier information. Based on available data the classification criteria are not met.

#### Skin sensitisation

**Skin sensitisation** Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising. REACH dossier information. Based on available data the classification criteria are not met.

#### Specific target organ toxicity - single exposure

**STOT - single exposure** STOT SE 1 - H370

**Target organs** Eyes Central nervous system

### **SECTION 12: Ecological Information**

#### 12.1. Toxicity

**Toxicity** Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

#### Ecological information on ingredients.

### ethanol

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 14200 mg/l, Pimephales promelas (Fat-head Minnow) REACH dossier information.

**Acute toxicity - aquatic invertebrates** LC<sub>50</sub>, 48 hours: 5012 mg/l, Ceriodaphnia dubia REACH dossier information.

## Crystal Violet

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: 11.5 mg/l, Chlorella vulgaris  
REACH dossier information.

**Chronic toxicity - aquatic invertebrates** NOEC, 9 days: 9.6 mg/l, Daphnia magna  
REACH dossier information.

### C.I. basic violet 3

**Toxicity** Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

#### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.1 < L(E)C<sub>50</sub> ≤ 1

**M factor (Acute)** 1

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 0.24 - 0.5 mg/l, Daphnia magna  
REACH dossier information.

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: 0.025 - 0.8 mg/l, Pseudokirchneriella subcapitata  
REACH dossier information.

#### Chronic aquatic toxicity

**M factor (Chronic)** 1

### methanol

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 15400 mg/l, Lepomis macrochirus (Bluegill)  
EC<sub>50</sub>, 96 hours: 12700 mg/l, Lepomis macrochirus (Bluegill)  
REACH dossier information.

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 96 hours: 18260 mg/l, Daphnia magna  
REACH dossier information.

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 96 hours: ~ 22000 mg/l, Pseudokirchneriella subcapitata  
REACH dossier information.

**Acute toxicity - microorganisms** IC<sub>50</sub>, 3 hours: >1000 mg/l, Activated sludge  
REACH dossier information.

## 12.2. Persistence and degradability

**Persistence and degradability** No data available.

## Ecological information on Ingredients.

### ethanol

**Biodegradation** Water - Degradation (74%): 10 days  
REACH dossier information.  
The substance is readily biodegradable.

**Chemical oxygen demand** 1.99 g O<sub>2</sub>/g substance REACH dossier information.

### C.I. basic violet 3

## Crystal Violet

**Biodegradation** Water - Degradation (3.6%): 28 days  
REACH dossier information.  
The substance is readily biodegradable.

### methanol

**Phototransformation** Air - DT<sub>50</sub> : 17.2 days  
REACH dossier information.

**Biodegradation** Water - Degradation (95%): 20 days  
Water - Degradation (91%): 15 days  
Water - Degradation (88%): 10 days  
Water - Degradation (76%): 5 days  
REACH dossier information.  
The substance is readily biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not determined.

### Ecological information on Ingredients.

#### ethanol

**Partition coefficient** log Pow: - 0.35 REACH dossier information.

#### C.I. basic violet 3

**Partition coefficient** log Pow: 1.172 REACH dossier information.

#### methanol

**Partition coefficient** log Pow: -0.77 REACH dossier information.

### 12.4. Mobility in soil

**Mobility** The product is soluble in water.

### Ecological information on Ingredients.

#### ethanol

**Surface tension** 24.5 mN/m @ 20°C/68°F REACH dossier information.

#### C.I. basic violet 3

**Surface tension** 44.2 mN/m REACH dossier information.

#### methanol

**Mobility** Mobile.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

## Crystal Violet

**Other adverse effects** Not determined.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Confirm disposal procedures with environmental engineer and local regulations. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out.

**Disposal methods** Do not empty into drains. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Collect and place in suitable waste disposal containers and seal securely. Dispose of contents/container in accordance with national regulations.

### SECTION 14: Transport Information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

No transport warning sign required.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

### SECTION 15: Regulatory Information

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

**National regulations** EH40/2005 Workplace exposure limits.  
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

## Crystal Violet

**EU legislation** Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).  
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### **SECTION 16: Other information**

|   |  |
|---|--|
| <b>Classification procedures according to Regulation (EC) 1272/2008</b> | Aquatic Chronic 3 - H412: Calculation method.  |
| <b>Revision comments</b>  | Classification according to EC 1272/2008 (CLP).  |
| <b>Revision date</b>  | 09/04/2015   |
| <b>Revision</b>   | 13   |
| <b>Supersedes date</b>  | 01/03/2013   |
| <b>SDS number</b>   | 780  |
| <b>Risk phrases in full</b>   | R11 Highly flammable.<br>R22 Harmful if swallowed.<br>R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.<br>R38 Irritating to skin.<br>R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.<br>R40 Limited evidence of a carcinogenic effect.<br>R41 Risk of serious damage to eyes.<br>R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.<br>R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| <b>Hazard statements in full</b>  | H225 Highly flammable liquid and vapour.<br>H301 Toxic if swallowed.<br>H302 Harmful if swallowed.<br>H311 Toxic in contact with skin.<br>H315 Causes skin irritation.<br>H318 Causes serious eye damage.<br>H331 Toxic if inhaled.<br>H351 Suspected of causing cancer.<br>H370 Causes damage to organs (Eyes, Central nervous system).<br>H400 Very toxic to aquatic life.<br>H410 Very toxic to aquatic life with long lasting effects.<br>H412 Harmful to aquatic life with long lasting effects.  |

The information in this safety data sheet was obtained from current and reliable sources. However, the data is provided without warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond Pro-Lab Diagnostics control, it is the users responsibility to perform thorough testing of this product when used in combination with any other product. It is suggested that users familiarise themselves with this safety data sheet before handling the product.