## SAFETY DATA SHEET

**Crystal Violet**


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

#### 1.1. Product identifier

<table>
<thead>
<tr>
<th>Product name</th>
<th>Crystal Violet</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product number</strong></td>
<td>PL.7000, PL.7000/25, PL.7000/100, PL.7001, PL.7002</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Identified uses</th>
<th>Laboratory reagent.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uses advised against</td>
<td>No specific uses advised against are identified.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Supplier</th>
<th>Pro-Lab Diagnostics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>3 Bassendale Road</td>
</tr>
<tr>
<td></td>
<td>Wirral</td>
</tr>
<tr>
<td></td>
<td>Merseyside</td>
</tr>
<tr>
<td></td>
<td>CH62 3QL</td>
</tr>
<tr>
<td>Tel:</td>
<td>0151 353 1613</td>
</tr>
<tr>
<td>Fax:</td>
<td>0151 353 1614</td>
</tr>
<tr>
<td>Email:</td>
<td><a href="mailto:mowen@pro-lab.com">mowen@pro-lab.com</a></td>
</tr>
</tbody>
</table>

#### 1.4. Emergency telephone number

<table>
<thead>
<tr>
<th>Emergency telephone</th>
<th>+44 (0)151 353 1613 Monday to Friday 9.00 to 17.00</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>+44 (0)7714 429 646 outside the above hours</td>
</tr>
</tbody>
</table>

### SECTION 2: Hazards identification

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

**Classification (EC 1272/2008)**

<table>
<thead>
<tr>
<th>Physical hazards</th>
<th>Not Classified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health hazards</td>
<td>Carc. 1B - H350</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>Aquatic Chronic 3 - H412</td>
</tr>
</tbody>
</table>

**Human health**

Contains a substance/a group of substances which may cause cancer.

**Environmental**

The product contains a substance which may cause long-term adverse effects in the aquatic environment.

#### 2.2. Label elements

**Pictogram**

![Pictogram](image)

**Signal word**

Danger

**Hazard statements**

H350 May cause cancer.

H412 Harmful to aquatic life with long lasting effects.
**Crystal Violet**

### Precautionary statements

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P501 Dispose of contents/container in accordance with national regulations.

### Contains

C.I. Basic Violet 3 with ≥ 0.1 % of Michler's ketone (EC no. 202-027-5)

### Supplementary precautionary statements

- P405 Store locked up.

### 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

<table>
<thead>
<tr>
<th>Substance</th>
<th>%</th>
<th>CAS number</th>
<th>EC number</th>
<th>REACH registration number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>2.5 - &lt;5%</td>
<td>64-17-5</td>
<td>200-578-6</td>
<td>01-2119457610-43-XXXX</td>
</tr>
<tr>
<td>C.I. Basic Violet 3 with ≥ 0.1 % of Michler's ketone (EC no. 202-027-5)</td>
<td>0.5 - &lt;1%</td>
<td>548-62-9</td>
<td>208-953-6</td>
<td></td>
</tr>
<tr>
<td>Methanol</td>
<td>0.025 - &lt;0.25%</td>
<td>67-56-1</td>
<td>200-659-6</td>
<td>01-2119433307-44-XXXX</td>
</tr>
</tbody>
</table>

### Classification

- Ethanol: Flam. Liq. 2 - H225, Eye Irrit. 2 - H319
- C.I. Basic Violet 3 with ≥ 0.1 % of Michler's ketone (EC no. 202-027-5): Acute Tox. 4 - H302, Carc. 1B - H350, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410
- Methanol: Flam. Liq. 2 - H225, Acute Tox. 3 - H301, Acute Tox. 3 - H311, Acute Tox. 3 - H331, STOT SE 1 - H370

The full text for all hazard statements is displayed in Section 16.
Crystal Violet

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation  Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Ingestion  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.

Skin contact  Wash skin thoroughly with soap and water.

Eye contact  Remove any contact lenses and open eyelids wide apart. Continue to rinse.

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

Inhalation  Irritation of nose, throat and airway.

Ingestion  May cause discomfort if swallowed.

Skin contact  Prolonged skin contact may cause redness and irritation.

Eye contact  May cause temporary eye irritation.

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
Crystal Violet

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)
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/m³
methanol Long-term exposure limit (8-hour TWA): WEL 200 ppm 266 mg/m³
Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m³
Sk WEL = Workplace Exposure Limit
Sk = Can be absorbed through the skin.

methanol (CAS: 67-56-1)

DNEL
Workers - Inhalation; Long term systemic effects: 260 mg/m³
Workers - Inhalation; Short term systemic effects: 260 mg/m³
Workers - Inhalation; Long term local effects: 260 mg/m³
Workers - Inhalation; Short term local effects: 260 mg/m³
Workers - Dermal; Long term systemic effects: 40 mg/kg/day
Workers - Dermal; Short term systemic effects: 40 mg/kg/day
General population - Inhalation; Long term systemic effects: 50 mg/m³
General population - Inhalation; Short term systemic effects: 50 mg/m³
General population - Inhalation; Long term local effects: 50 mg/m³
General population - Inhalation; Short term local effects: 50 mg/m³
General population - Dermal; Long term systemic effects: 8 mg/kg/day
General population - Dermal; Short term systemic effects: 8 mg/kg/day
General population - Oral; Long term systemic effects: 8 mg/kg/day
General population - Oral; Short term systemic effects: 8 mg/kg/day
Crystal Violet

PNEC
- Fresh water; 20.8 mg/l
- Fresh water, Intermittent release; 1540 mg/l
- Marine water; 2.08 mg/l
- STP; 100 mg/l
- Sediment (Freshwater); 77 mg/kg
- Sediment (Marine water); 7.7 mg/kg
- Soil; 100 mg/kg

8.2. Exposure controls
Eye/face protection
No specific eye protection required during normal use.

Hand protection
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.

Hygiene measures
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

Appearance
Liquid.

Colour
Violet.

Odour
Almost odourless.

Odour threshold
Not determined.

pH
Not determined.

Melting point
Not relevant.

Initial boiling point and range
Not determined.

Flash point
Not determined.

Evaporation rate
Not determined.

Evaporation factor
Not determined.

Flammability (solid, gas)
Not relevant.

Upper/lower flammability or explosive limits
Not relevant.

Vapour pressure
Not determined.

Vapour density
Not determined.

Relative density
Not determined.

Bulk density
Not determined.

Solubility(ies)
Soluble in water.

Partition coefficient
Not determined.

Auto-ignition temperature
Not relevant.

Decomposition Temperature
Not relevant.

Viscosity
Not determined.

Explosive properties
Not considered to be explosive.
Crystal Violet

Oxidising properties
The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

9.2. Other information
No information required.

SECTION 10: Stability and reactivity

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

10.2. Chemical stability
Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions
Will not polymerise.

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

10.5. Incompatible materials
No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. 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 LD₅₀)
  Based on available data the classification criteria are not met.
- ATE oral (mg/kg)
  133,336.0

Acute toxicity - dermal
- Notes (dermal LD₅₀)
  Based on available data the classification criteria are not met.
- ATE dermal (mg/kg)
  133,336.0

Acute toxicity - inhalation
- Notes (inhalation LC₅₀)
  Based on available data the classification criteria are not met.
- ATE inhalation (gases ppm)
  311,117.33
- ATE inhalation (vapours mg/l)
  1,333.36

Skin corrosion/irritation
Animal data
Based on available data the classification criteria are not met.

Serious eye damage/irritation
Based on available data the classification criteria are not met.

Respiratory sensitisation
Based on available data the classification criteria are not met.

Skin sensitisation
Based on available data the classification criteria are not met.
Crystal Violet

**Skin sensitisation**
Based on available data the classification criteria are not met.

**Germ cell mutagenicity**
Based on available data the classification criteria are not met.

**Genotoxicity - in vitro**
Based on available data the classification criteria are not met.

**Genotoxicity - in vivo**
Based on available data the classification criteria are not met.

**Carcinogenicity**
May cause cancer.

**Reproductive toxicity**
Based on available data the classification criteria are not met.

**Reproductive toxicity - fertility**
Based on available data the classification criteria are not met.

**Specific target organ toxicity - single exposure**
Based on available data the classification criteria are not met.

**Specific target organ toxicity - repeated exposure**
Based on available data the classification criteria are not met.

**Aspiration hazard**
Not anticipated to present an aspiration hazard, based on chemical structure.

**General information**
Known or suspected carcinogen for humans. Risk of cancer depends on duration and level of exposure.

**Inhalation**
No specific symptoms known. May cause respiratory irritation.

**Ingestion**
No specific symptoms known. May cause discomfort if swallowed.

**Skin contact**
No specific symptoms known. Prolonged skin contact may cause temporary irritation.

**Eye contact**
No specific symptoms known. May cause temporary eye irritation.

**Route of exposure**
Inhalation Ingestion Skin and/or eye contact

**Toxicological information on ingredients.**

<table>
<thead>
<tr>
<th>Ethanol</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Acute toxicity - oral</strong></td>
</tr>
<tr>
<td>Acute toxicity oral (LD₅₀ mg/kg)</td>
</tr>
<tr>
<td>Species</td>
</tr>
<tr>
<td>Notes (oral LD₅₀)</td>
</tr>
<tr>
<td>ATE oral (mg/kg)</td>
</tr>
<tr>
<td><strong>Acute toxicity - inhalation</strong></td>
</tr>
<tr>
<td>Acute toxicity inhalation (LC₅₀ vapours mg/l)</td>
</tr>
<tr>
<td>Species</td>
</tr>
<tr>
<td>Notes (Inhalation LC₅₀)</td>
</tr>
<tr>
<td>ATE inhalation (vapours mg/l)</td>
</tr>
</tbody>
</table>
Crystal Violet

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

Serious eye damage/irritation
Dose: 0.1 mL, 21 days, Rabbit Causes eye irritation. REACH dossier information.

Respiratory sensitisation
Rat: Not sensitising. REACH dossier information. Based on available data the classification criteria are not met.

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

Germ cell mutagenicity
Gene mutation: 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
Two-generation study - NOAEL 15 %, Oral, Mouse P REACH dossier information.

Reproductive toxicity - development
Maternal toxicity: - NOAEL: 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 with ≥ 0.1 % of Michler's ketone (EC no. 202-027-5)

Acute toxicity - oral
Acute toxicity oral (LD₅₀ mg/kg)
420.0
Species
Rat
Notes (oral LD₅₀)
Raw material suppliers' information.
ATE oral (mg/kg)
420.0

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

Germ cell mutagenicity
Bacterial reverse mutation test: Negative. REACH dossier information. Based on available data the classification criteria are not met.
Crystal Violet

Carcinogenicity
May cause cancer.

methanol

Acute toxicity - oral
Notes (oral LD₅₀)

ATE oral (mg/kg)
100.0

Acute toxicity - dermal
Notes (dermal LD₅₀)
Converted acute toxicity point estimate (cATpE) Toxic in contact with skin.

Acute toxicity - inhalation
Notes (inhalation LC₅₀)
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
Dose: 0.05 ml, 24 hours, Rabbit REACH dossier information. Based on available data the classification criteria are not met.

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

Germ cell mutagenicity
Genotoxicity - in vitro
Bacterial reverse mutation test: 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.

Specific target organ toxicity - single exposure
STOT - single exposure
STOT SE 1 - H370

Target organs
Eyes Central nervous system

Specific target organ toxicity - repeated exposure
STOT - repeated exposure
LOAEL 2340 mg/kg/day, Oral, Monkey REACH dossier information. Based on available data the classification criteria are not met.

SECTION 12: Ecological Information

12.1. Toxicity
Toxicity
Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.
Crystal Violet

Ecological information on ingredients.

ethanol

Acute aquatic toxicity

Acute toxicity - fish
LC₅₀, 96 hours: 14200 mg/l, Pimephales promelas (Fat-head Minnow)
REACH dossier information.

Acute toxicity - aquatic invertebrates
LC₅₀, 48 hours: 5012 mg/l, Ceriodaphnia dubia
REACH dossier information.

Acute toxicity - aquatic plants
EC₅₀, 72 hours: 275 mg/l, Chlorella vulgaris
REACH dossier information.

Chronic aquatic toxicity

Chronic toxicity - fish early life stage
NOEC, 120 hours: 250 mg/l, Brachydanio rerio (Zebra Fish)

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

C.I. Basic Violet 3 with ≥ 0.1 % of Michler's ketone (EC no. 202-027-5)

Toxicity

Acute aquatic toxicity
LE(C)₅₀
0.1 < L(E)C50 ≤ 1

M factor (Acute) 1

Acute toxicity - aquatic invertebrates
EC₅₀, 48 hours: 0.24 - 0.5 mg/l, Daphnia magna
REACH dossier information.

Acute toxicity - aquatic plants
EC₅₀, 72 hours: 0.025 - 0.8 mg/l, Pseudokirchneriella subcapitata
REACH dossier information.

Chronic aquatic toxicity
M factor (Chronic) 1

methanol

Acute aquatic toxicity

Acute toxicity - fish
LC₅₀, 96 hours: 15400 mg/l, Lepomis macrochirus (Bluegill)
EC₅₀, 96 hours: 12700 mg/l, Lepomis macrochirus (Bluegill)
REACH dossier information.

Acute toxicity - aquatic invertebrates
EC₅₀, 96 hours: 18260 mg/l, Daphnia magna
REACH dossier information.

Acute toxicity - aquatic plants
EC₅₀, 96 hours: ~ 22000 mg/l, Pseudokirchneriella subcapitata
REACH dossier information.

Acute toxicity - microorganisms
IC₅₀, 3 hours: >1000 mg/l, Activated sludge
REACH dossier information.

12.2. Persistence and degradability

Persistence and degradability  No data available.
Crystal Violet

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

Chemical oxygen demand
1.99 g O₂/g substance REACH dossier information.

C.I. Basic Violet 3 with ≥ 0.1 % of Michler's ketone (EC no. 202-027-5)

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

methanol

Phototransformation
Water - DT₅₀: 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 with ≥ 0.1 % of Michler's ketone (EC no. 202-027-5)

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 with ≥ 0.1 % of Michler's ketone (EC no. 202-027-5)

Surface tension
44.2 mN/m REACH dossier information.
Crystal Violet

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.

Ecological information on ingredients.

ethanol

Results of PBT and vPvB assessment

This substance is not classified as PBT or vPvB according to current EU criteria.

methanol

Results of PBT and vPvB assessment

This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

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.
Crystal Violet

14.6. Special precautions for user
Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 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.

EU legislation

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet
ATE: Acute Toxicity Estimate.
cATpE: Converted Acute Toxicity Point Estimate.
DNEL: Derived No Effect Level.
LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).
LC₅₀: Lethal Concentration to 50% of a test population.
PNEC: Predicted No Effect Concentration.
BCF: Bioconcentration Factor.
EC₅₀: 50% of maximal Effective Concentration.
NOAEL: No Observed Adverse Effect Level.
NOEC: No Observed Effect Concentration.

Classification abbreviations and acronyms
Acute Tox. = Acute toxicity
Aquatic Acute = Hazardous to the aquatic environment (acute)
Aquatic Chronic = Hazardous to the aquatic environment (chronic)
Carc. = Carcinogenicity
Eye Dam. = Serious eye damage
Eye Irrit. = Eye irritation
Flam. Liq. = Flammable liquid
Skin Irrit. = Skin irritation

Classification procedures according to Regulation (EC) 1272/2008
Carc. 1B - H350, Aquatic Chronic 3 - H412: Calculation method.

Revision date 01/10/2017
Revision 14
Supersedes date 09/04/2015
SDS number 780
Crystal Violet

Hazard statements in full
H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H350 May cause cancer.
H370 Causes damage to organs.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
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.