

SAFETY DATA SHEET

Crystal Violet

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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
uksupport@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 (EC 1272/2008)

Physical hazards Flam. Liq. 3 - H226
Health hazards Carc. 1B – H350, Acute Tox. 4 – H332, STOT SE 1 -H370.
Environmental hazards Aquatic Chronic 3 – H412
Human health Contains a substance/a group of substances which may cause cancer. The liquid may be irritating to eyes, respiratory system and skin.
Physicochemical The product is highly flammable.

2.2. Label elements

Pictogram



Signal word Danger
Hazard statements H226 Flammable liquid and vapour.
H332 Harmful if inhaled.
H350 May cause cancer.
H370 Causes damage to organs.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P201 Obtain special instructions before use.

P270 Do not eat, drink or smoke when using this product.

P202 Do not handle until all safety precautions have been read and understood.

P273 Avoid release to the environment.

P280 Wear protective clothing, gloves, eye and face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P308+P313 IF exposed or concerned: Get medical advice attention.

P312 Call a POISON CENTRE/doctor if you feel unwell.

P303+P313 IF exposed or concerned: Get medical advice/attention.

P501 Dispose of contents/ container in accordance with national regulations.

Contains

Methanol, C.I. Basic Violet 3 with > 0.1% of Michler's Ketone (EC no. 202-027-5).

Supplementary precautionary statements

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof electrical equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P260 Do not breathe vapour/spray.

P264 Wash contaminated skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

P308+P311 IF exposed or concerned: Call a POISON CENTER or doctor.

P403+P235 Store in a well-ventilated place. Keep cool.

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**

C.I. basic violet 3	0.5%
CAS number: 548-62-9	EC number: 208-953-6
M factor (Acute) = 1	M factor (Chronic) = 1
Classification	
Acute Tox. 4 - H302	
Eye Dam. 1 - H318	
Carc. 1B - H350	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

methanol		15 - <20%
CAS number: 67-56-1	EC number: 200-659-6	REACH registration number: 01-2119433307-44-XXXX
Classification		
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.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Immediate first aid is imperative. Loosen tight clothing such as collar, tie or belt. Maintain an open airway. Move affected person to fresh air at once and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting unless under the direction of medical personnel. If in doubt, get medical attention promptly.
Skin contact	Wash skin thoroughly with soap and water. Remove contaminated clothing. Wash contaminated clothing before reuse.
Eye contact	Remove contact lenses, if present and easy to do. Continue rinsing. Rinse immediately with plenty of water. Get medical attention if symptoms are severe or persist after washing.

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

Inhalation	Symptoms following overexposure may include the following: Coughing, chest tightness, feeling of chest pressure. Irritation of nose, throat and airway. Drowsiness, dizziness, disorientation, vertigo. May cause discomfort.
Ingestion	May cause discomfort if swallowed.
Skin contact	Causes mild skin irritation. Prolonged contact may cause redness, irritation and dry skin.
Eye contact	Causes eye irritation. Redness. Redness. Profuse watering of the eyes.

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.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
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

Specific hazards	Flammable liquid and vapour. Vapours may be ignited by a spark, a hot surface or an ember.
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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

Fight fire from safe distance or protected location. Use water spray to reduce vapours. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters

Use air-supplied respirator, gloves and protective goggles. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. 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. No smoking, sparks, flames or other sources of ignition near spillage. 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.

6.1. Methods and material for containment and cleaning up

Methods for cleaning up

Take care as floors and other surfaces may become slippery. Contain spillage with sand, earth or other suitable non-combustible material. Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labeled with correct contents and hazard symbol. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8. For waste disposal, see Section 13. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards.

SECTION 7: Exposure Controls/personal protection

7.1. Precautions for safe handling

Usage precautions

Avoid breathing vapours. Avoid contact with eyes and prolonged skin contact. Avoid the formation of mists. Ground/bond container and receiving equipment. Read and follow manufacturer's recommendations.

Advice on general occupational hygiene

Do not eat, drink or smoke when using this product. Avoid contact with eyes and prolonged skin contact. Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene procedures should be implemented. Take off contaminated clothing and wash it before reuse. Wash promptly with soap and water if skin becomes contaminated.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep at temperature not exceeding 25°C.

Storage class Flammable liquid storage.

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

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

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 (Marinewater); 7.7 mg/kg
 - Soil; 100 mg/kg

8.2. Exposure controls

Appropriate engineering

Controls

Avoid inhalation of vapours and spray/mists. Good general ventilation should be adequate to control worker exposure to airborne contaminants. In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/face protection

Eyewear complying with the approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. 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. Frequent changes are recommended. The breakthrough time for any glove material may be different for different glove manufacturers.

Hygiene measures

Do not eat, drink or smoke when using this product. Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene procedures should be implemented.

Respiratory protection If ventilation is inadequate, suitable respiratory protection must be worn. Seek advice from supervisor on the company's respiratory protection standards. Respiratory protection complying with an approved standard must be worn if a risk assessment indicates inhalation of contaminants is possible.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Violet.
Odour	Almost odourless. Alcoholic.
pH	Not relevant.
Melting point	Not determined.
Initial boiling point and range	Not relevant.
Flash point	Not relevant.
Evaporation rate	Not determined.
Flammability (solid, gas)	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	Not determined.
Vapour density	Not relevant.
Relative density	Not determined.
Solubility(ies)	Soluble in water.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Not considered to be explosive.
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

Other information None.

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 heat, flames and other sources of ignition.

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. Does not decompose when used and stored as recommended.

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) 2,054.79

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

ATE dermal (mg/kg) 2,054.79

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Acute Tox. 4 - H332 Harmful if inhaled.

ATE inhalation (gases ppm) 4,794.52

ATE inhalation (vapours mg/l) 20.55

Skin corrosion/irritation

Animal data Based on available data the classification criteria are not met.

Serious eye damage/irritation

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

Respiratory sensitisation

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

Skin sensitisation

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

Germ cell mutagenicity

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

Carcinogenicity May cause cancer.

Reproductive toxicity

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

Specific target organ toxicity - single exposure

STOT - single exposure STOT SE 1 - H370

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

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	May be harmful if inhaled. Symptoms following overexposure may include the following: Pain or irritation. Irritation of nose, throat and airway. Coughing. Wheezing/breathing difficulties.
Ingestion	May cause discomfort if swallowed.
Skin contact	No specific symptoms known. Prolonged and frequent contact may cause redness and irritation.
Eye contact	Causes eye irritation. Profuse watering of the eyes. Itchiness. Redness.
Route of exposure	Inhalation, ingestion, skin and/or eye contact.
Acute and chronic health hazards	No specific long-term effects known.

Toxicological information on ingredients.

methanol

Acute toxicity - oral

Notes (oral LD₅₀) International Programme on Chemical Safety (IPCS) (1997) Environmental Health Criteria 196: Methanol. Geneva, World Health Organization. Toxic ifswallowed.

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)

Skin corrosion/irritation 3.0

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 0.05ml, 24 hours, Rabbit REACH dossier information. Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Guinea pig maximisation test (GPMT) – Guinea pig: Not sensitizing. 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 2340mg/kg/day, Oral, Monkey 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

Serious eye damage/irritation REACH dossier information. Eye Dam. 1 – H316 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 May cause cancer.

SECTION 12: Ecological information**12.1. Toxicity**

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

Ecological Information on Ingredients**methanol****Acute aquatic toxicity**

Acute toxicity - fish	LC ₅₀ , 96 hours: 15400 mg/l, Lepomis macrochirus (Bluegill). EC ₅₀ , 96 hours: 12700 mg/l, Lepomis macrochirus (Bluegill). REACH dossier information.
Acute toxicity - aquatic Invertebrates	EC ₅₀ , 96 hours: 18260 mg/l, Daphnia magna. REACH dossier information.
Acute toxicity – aquatic Plants	EC ₅₀ , 96 hours: ~22000 mg/l, Pseudokirchneriella subcapitata. REACH dossier information.
Acute toxicity – Microorganisms	IC ₅₀ , 3 hours: >1000 mg/l, Activated sludge. REACH dossier information.

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

Toxicity Aquatic Acute 1 – H400 Aquatic Chronic 1 – H410

Acute aquatic toxicity

LE(C)₅₀	0.1 < L(E)C ₅₀ ≤ 1
M Factor (Acute)	1

Acute toxicity - aquatic Invertebrates	EC ₅₀ , 48 hours: 0.24 – 0.5 mg/l, Daphnia magna. REACH dossier information.
Acute toxicity – aquatic Plants	EC ₅₀ , 72 hours: 0.025 – 0.8 mg/l, Pseudokirchneriella subcapitata. REACH dossier information.

Chronic aquatic toxicity

M factor (Chronic) 1

12.2. Persistence and degradability

Persistence and degradability No data available.

Ecological Information on Ingredients**methanol**

Phototransformation	Water – DT ₅₀ : 17.2 days REACH dossier transformation.
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.

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.
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12.3. Bioaccumulative potential

Bioaccumulative potential	No data available on bioaccumulation.
Partition coefficient	Not determined.

Ecological Information on Ingredients**methanol**

Partition coefficient	log Pow: - 0.35 REACH dossier information.
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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.
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12.4. Mobility in soil

Mobility	The product contains substances which are water soluble and may spread in water systems. The product contains organic solvents which will evaporate easily from all surfaces.
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Ecological Information on Ingredients**methanol**

Mobility	Mobile.
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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.
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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.
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12.6. Other adverse effects

Other adverse effects	Not determined.
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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. Reuse or recycle products wherever possible. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions
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 regulation.

SECTION 14: Transport information**14.1. UN number**

UN No. (ADR/RID)	1987
UN No. (IMDG)	1987
UN No. (ICAO)	1987
UN No. (ADN)	1987

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ALCOHOLS, N.O.S. (methanol)
Proper shipping name (IMDG)	ALCOHOLS, N.O.S. (methanol)
Proper shipping name (ICAO)	ALCOHOLS, N.O.S. (methanol)
Proper shipping name (ADN)	ALCOHOLS, N.O.S. (methanol)

14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

Transport labels

**14.4. Packing group**

ADR/RID class	III
IMDG packing group	III
ADN packing group	III
ICAO packing group	III

14.5. Environmental hazards**Environmentally hazardous substance/marine pollutant**

No.

14.6. Special precautions for user

EmS

ADR transport category 3

Emergency Action Code •3Y

Hazard Identification Number 30

(ADR/RID)

Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/77

and the IBC Code

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

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling 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, 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**Abbreviations and acronyms used in the safety data sheet**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

ATE: Acute Toxicity Estimate.

BCF: Bioconcentration Factor.

cATpE: Converted Acute Toxicity Point Estimate.

DNEL: Derived No Effect Level.

EC₅₀: 50% of maximal Effective Concentration.

IATA: International Air Transport Association.

ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

LC₅₀: Lethal Concentration to 50% of a test population.LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).

NOAEL: No observed Adverse Effect Level.

NOEC: No Observed Effect Concentration.

PNEC: Predicted No Effect Concentration.

RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.

**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
 STOT SE = Specific target organ toxicity-single exposure

**Classification procedures
According to Regulation (EC)
1272/2008**

Flam. Liq. 3 – H226: Expert judgement. Acute Tox. 4 – H332, Carc. 1B – H350, STOT SE 1 – H370, Aquatic Chronic 3 – H412: Calculation method.

Revision date

27/10/2021

Revision

15

Supersedes date

01/10/2017

SDS number

780

Hazard statements in full

H225 Highly flammable liquid and vapour.
 H226 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.
 H332 Harmful 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 user's 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.