
MATERIAL SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifiers**

Product name: CRYSTAL VIOLET BP80 C.I. 42555

Product Code: DYE101

CAS Number: 548-62-9

EINECS number: 208-953-6

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

Identified uses – PC21: Laboratory chemicals.

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Solmedia Ltd.
- Address of Supplier: Unit 2, Vernon Drive
Battlefield Enterprise Park
Shrewsbury
SY1 3TF
UK
- Telephone: 0844 80 80 900
- Email: labsupplies@solmedialtd.com

1.4 Emergency telephone number

Emergency Phone # +44 (0)844 80 80 900

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

Classification under CLP Acute Tox. 4: H302; Eye Dam. 1: H318; Carc. 1B: H350; Aquatic

Classification under CHIP: Xn: R22; Xn: R40; Xi: R41; N: R50/53 Chronic 1: H410; Aquatic
Acute 1: H400

Most important adverse effects: Harmful if swallowed. Causes serious eye damage. May cause cancer. Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Hazard statements: H302: Harmful if swallowed
H318: Causes serious eye damage.
H350: May cause cancer.
H410: Very toxic to aquatic life with long lasting effects.

Signal words: Danger

Hazard pictograms: GH05: Corrosion
GHS07: Exclamation mark
GHS08: Health hazard
GHS09: Environmental



Precautionary statements: P201: Obtain special instructions before use.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P308+313: IF exposed or concerned: Get medical advice/attention.
P501: Dispose of contents/container to an approved waste disposal plant

2.3 Other hazards

Other hazards: No data available

PBT: This product is not identified as a PBT/vPvB substance.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical identity: CRYSTAL VIOLET BP80 C.I. 42555

CAS number: 548-62-9

EINECS number: 208-953-6

Contains: CAS-No. 548-62-9

EC-No. 208-953-6

SECTION 4: First aid measures

4.1 Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Consult a doctor

- Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor
- Ingestion:** Never give anything by mouth to an unconscious person. Wash out mouth with water. Consult a doctor.
- Inhalation:** Move to fresh air in case of accidental inhalation of vapours. If unconscious, check for breathing and apply artificial respiration if necessary. Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

- Skin contact:** No data available
- Eye contact:** Risk of serious damage to eyes
- Ingestion:** No data available
- Inhalation:** No data available
- Delayed / immediate effects:** No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Water spray. Alcohol resistant foam. Dry chemical powder. Carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Not applicable

5.3 Advice for firefighters

Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.

6.2. Environmental precautions

Do not discharge into drains or rivers.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Refer to section 13 of SDS

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handling requirements: Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Light sensitive.

Suitable packaging: Not applicable

7.3 Specific end use(s)

No data required

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits: No data available

DNEL / PNEC No data available. No data available

8.2 Exposure controls

Engineering measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Full contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min
Splash contact
Material: Fluorinated rubber
Minimum layer thickness: 0.7 mm
Break through time: 480 min

Eye protection: Face-shield. Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection:	Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Environmental:	Do not let product enter drains. Prevent from entering in public sewers or the immediate environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State:	Powder
Colour	Dark green
Odour	Odourless
Melting Point/range °C	205
Part.coeff. n-octanol/water: log Pow:	1.172
Relative density:	1.190 g/cm ³ at 20 °C
pH:	2.5 - 3.5

9.2 Other safety information

Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidising agents

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. -
Carbon oxides, Nitrogen oxides (NO_x), Hydrogen chloride gas

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Relevant hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	ING	Based on test data
Serious eye damage/irritation	OPT	Based on test data
Carcinogenicity	-	Based on test data

Symptoms / routes of exposure

Skin contact: No data available

Eye contact: Risk of serious damage to eyes

Ingestion: No data available

Inhalation: No data available

Delayed / immediate effects: No data available.

Other information: Not applicable.

SECTION 12: Ecological information**12.1 Toxicity**

Species	Test	Value	Units
DAPHNIA	48H EC50	0.24 - 5	mg/l
ALGAE	72H ErC50	0.025 - 0.8	mg/l

12.2 Persistence and degradability

Not readily biodegradable.

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This product is not identified as a PBT/vPvB substance.

12.6 Other adverse effects

Very toxic to aquatic organisms.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Disposal operations: Offer surplus and non-recyclable solutions to a licensed disposal

company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Recovery operations: Not applicable.

Disposal of packaging: Dispose of as unused product.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14: Transport information

14.1. UN number

UN3077

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

14.3. Transport hazard class(es)

9

14.4. Packing group

3

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: Yes

14.6. Special precautions for user

No special precautions.

SECTION 15: Regulatory information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16: Other information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and 3:

H302: Harmful if swallowed.
H318: Causes serious eye damage.
H350: May cause cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H410: Very toxic to aquatic life with long lasting effects.
R22: Harmful if swallowed.
R40: Limited evidence of a carcinogenic effect.
R41: Risk of serious damage to eyes.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Solmedia Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.