

---

## MATERIAL SAFETY DATA SHEET

---

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

#### 1.1 Product identifiers

**Product name:** Crystal Violet Alcoholic 5%, 1%  
**Product code:** MIC203, MIC205  
**Brand:** Solmedia Ltd

#### 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](mailto: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

Aquatic Chronic 2: H411; Carc. 2: H351; Eye Dam. 1: H318; Flam. Liq. 2: H225

**Most important adverse effects:**

Highly flammable liquid and vapour. Causes serious eye damage.  
Suspected of causing cancer. Toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

**Hazard statements:** H225: Highly flammable liquid and vapour.  
H318: Causes serious eye damage.  
H351: Suspected of causing cancer.  
H411: Toxic to aquatic life with long lasting effects.

**Signal words:** Danger

**Hazard pictograms:** GHS02: Flame

GHS05: Corrosion

GHS08: Health hazard

GHS09: Environmental



**Precautionary statements:**

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+313: IF exposed or concerned: Get medical advice/attention.

P310: Immediately call a POISON CENTER or doctor.

P370+378: In case of fire: Use suitable media for extinction.

## 2.3 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

Hazardous ingredients Classification according to Regulation (EC) No. 1272/2008 [CLP]

			Classification (Regulation (EC) No 1272/2008 [CLP])	
Hazardous Components		Amount [%]	Hazard class/ Hazard category	Hazard Statements
Name:	Ethanol Absolute	>90%	FLAM. LIQUID CAT. 2	H225
CAS NO.	64-17-5			
EC-NO.	200-578-6			
EU REACH-REG. NO.	01-2119457610-43			
Name:	Crystal violet C.I. Basic 3	1-5%	CARC. CAT. 2, ACUTE TOX. CAT. 4, EYE DAM. CAT.	H351 H302 H318
CAS NO.	548-62-9			

EC-NO.	208-953-6		1, AQUATIC CHRONIC CAT. 1, AQUATIC ACUTE CAT. 1.	H410 H400
--------	-----------	--	---	--------------

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

When in doubt or if symptoms are observed, get medical advice. If unconscious place in recovery position and seek medical advice. Never give anything by mouth to an unconscious person or a person with cramps. Change contaminated, saturated clothing. Do not leave affected person unattended.

**After inhalation** Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. In case of respiratory tract irritation, consult a physician.

**In case of skin contact** After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. In case of skin reactions, consult a physician.

**After eye contact** In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Protect uninjured eye. Remove contact lenses, if present and easy to do. Continue rinsing.

**In case of ingestion** If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting. Give nothing to eat or drink

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

<b>Skin contact:</b>	There may be irritation and redness at the site of contact.
<b>Eye contact:</b>	There may be irritation and redness. The eyes may water profusely.
<b>Ingestion:</b>	There may be soreness and redness of the mouth and throat.
<b>Inhalation:</b>	There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
<b>Delayed / immediate effects:</b>	Immediate effects can be expected after short-term exposure.

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

Eye bathing equipment should be available on the premises.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

In combustion emits toxic fumes.

## **5.3 Advice for firefighters**

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

---

# **SECTION 6: Accidental release measures**

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

Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

## **6.2 Environmental precautions**

Do not discharge into drains or rivers. Contain the spillage using bunding.

## **6.3 Methods and materials for containment and cleaning up**

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

## **6.4 Reference to other sections**

Refer to section 8 of SDS.

---

# **SECTION 7: Handling and storage**

## **7.1 Precautions for safe handling**

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.  
Do not handle in a confined space. Avoid the formation or spread of mists in the air.

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

Store in cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

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

No data available.

---

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Hazardous ingredients:****ETHANOL****Workplace exposure limits:****Respirable dust**

State	8-hour TWA	15 min. STEL	8-hour TWA	15min. STEL
UK	1920 mg/m <sup>3</sup>	-	-	-

**DNEL / PNEC**

No data available.

**8.2 Exposure controls****8.2.1 Appropriate engineering controls****Appropriate engineering controls**

Technical measures and the application of suitable work processes have priority over personal protection equipment. If handled uncovered, arrangements with local exhaust ventilation have to be used.

**Personal protective equipment**

Wear suitable protective clothing. When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn. For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

**Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique

(Without touching glove's outer surface) to avoid skin contact with this product. Dispose of

Contaminated gloves after use in accordance with applicable laws and good laboratory practices.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Wash and dry hands.

**Body Protection**

Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK

(EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Eye protection:**



Goggles recommended during refilling: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)

**Additional Information**

Wash hands before breaks and after work. Avoid contact with skin and eyes. When using do not eat, drink or smoke. Provide eye shower and label its location conspicuously.

**Control of environmental exposure**

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities. If material reaches soil inform authorities responsible for such cases.

---

**SECTION 9: Physical and chemical properties**

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

**State:** Liquid

**9.2 Other safety information**

Not applicable.

---

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

Stable under recommended transport or storage conditions.

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

#### 10.4 Conditions to avoid

Heat.

#### 10.5 Incompatible materials

Strong oxidising agents. Strong acids.

#### 10.6 Hazardous decomposition products

In combustion emits toxic fumes.

---

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Hazardous ingredients:

##### ETHANOL

IVN	RAT	LD50	1440	mg/kg
ORL	MUS	LD50	3450	mg/kg
ORL	RAT	LD50	7060	mg/kg

##### Relevant effects for mixture:

Effect	Route	Basis
Irritation	OPT	Hazardous: calculated

##### Symptoms / routes of exposure

- Skin contact:** There may be irritation and redness at the site of contact.
- Eye contact:** There may be irritation and redness. The eyes may water profusely.
- Ingestion:** There may be soreness and redness of the mouth and throat.
- Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
- Delayed / immediate effects:**  
Immediate effects can be expected after short-term exposure.
- Other information:** Not applicable.

---

### SECTION 12: Ecological information

#### 12.1 Toxicity

No data available.

#### 12.2 Persistence and degradability

Not biodegradable.

### 12.3 Bioaccumulative potential

Bioaccumulation potential.

### 12.4 Mobility in soil

Readily absorbed into soil.

### 12.5 Results of PBT and vPvB assessment

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

### 12.6 Other adverse effects

Toxic to aquatic organisms. Toxic to soil organisms.

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**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

UN1170

### 14.2 UN proper shipping name

ETHANOL (ETHYL ALCOHOL)

### 14.3 Transport hazard class(es)

3

### 14.4 Packaging group

II

### 14.5 Environmental hazards

Yes

**Marine pollutant:** No

### 14.6 Special precautions for user



**Special precautions:** No special precautions.

**Tunnel code:** D/E

**Transport category:** 2

---

## **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.

### **Phrases used in s.2 and 3:**

H225: Highly flammable liquid and vapour.

H302: Harmful if swallowed.

H318: Causes serious eye damage.

H351: Suspected of causing 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.

H411: Toxic to aquatic life with long lasting effects.

### **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.