

## MATERIAL SAFETY DATA SHEET

### [1] PRODUCT AND OF THE COMPANY INFORMATION

#### Product Details:

Product Name : **Crystal Violet Liquid**  
C.I. Name : **Basic Violet 3**  
C.I. No: 42555  
CAS Number: 67939-65-5

#### Company Identification:

ALLIANCE ORGANICS LLP.  
6/17, 3<sup>rd</sup> Floor, Kamdhenu Ind Estate, Mindspace,  
Malad West, Mumbai 400064, India.  
Tel: +91-22-42957551, 28725721, 28725731  
Email: [sales@allianceorganics.com](mailto:sales@allianceorganics.com)  
Use: Colorants for industrial use

### [2] COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Product Name	Content % ( +5%)
548-62-9	Basic Violet 3	50 %
64-19-7	Acetic Acid	40 %
7732-18-5	Water	05%
111-46-6	DEG as Stabilizers	05%

### [3] HAZARDS IDENTIFICATION

#### Emergency Overview

##### OSHA Hazards

Toxic by ingestion, Carcinogen

##### GHS Classification

Acute toxicity, Oral (Category 4)

Carcinogenicity (Category 2)

Acute aquatic toxicity (Category 1)

#### GHS Label elements, including precautionary statements

**Signal word** Warning

#### Hazard statement(s)

H302 Harmful if swallowed.

H351 Suspected of causing cancer.

H400 Very toxic to aquatic life.

#### Precautionary statement(s)

P273 Avoid release to the environment.

P281 Use personal protective equipment as required.

#### HMIS Classification

Health hazard : 2

Chronic Health Hazard : \*

Flammability : 1

Physical hazards : 0

#### NFPA Rating

Health hazard : 2

Fire : 0

Reactivity Hazard : 0

#### **Potential Health Effects**

Inhalation : May be harmful if inhaled. May cause respiratory tract irritation.

Skin : May be harmful if absorbed through skin. May cause skin irritation.

Eyes : May cause eye irritation.

Ingestion : Toxic if swallowed.

#### **[4] FIRST AID MEASURES**

##### **General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area

##### **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

##### **In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

##### **In case of eye contact**

Flush eyes with water as a precaution.

##### **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### **[5] FIRE FIGHTING MEASURES**

##### **Conditions of flammability**

Not flammable or combustible.

##### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

##### **Special protective equipment for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

##### **Hazardous combustion products**

Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.

#### **[6] ACCIDENTAL RELEASE MEASURES**

##### **Personal precautions:**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

##### **Environmental precautions:**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

##### **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.

#### **[7] HANDLING & STORAGE**

##### **Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

##### **Conditions for safe storage**

Keep container tightly closed in a dry and well-ventilated place.

#### **[8] EXPOSURE CONTROLS/PERSONAL PROTECTION**

Contains no substances with occupational exposure limit values.

##### **Personal protective equipment**

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100(US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand 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. Wash and dry hands.

**Eye protection:** Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin and body 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.

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

#### [9] PHYSICAL AND CHEMICAL PROPERTIES

Form	: Liquid
Odour	: pungent odour – acetic odour (vinegar-like)
Odour threshold	: No data available.
Colour	: Green Luster Liquid
pH value	: 3 - 5 ( 10 g/l, 20 °C) (as suspension)
Specific Gravity	: 100% (w/w): 1.1@200C
Solubility in water	: soluble

#### [10] STABILITY & REACTIVITY

##### **Chemical stability**

Stable under recommended storage conditions.

##### **Possibility of hazardous reactions**

No data available

##### **Conditions to avoid**

No data available

##### **Materials to avoid**

Strong oxidizing agents

##### **Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.

Other decomposition products - no data available

#### [11] TOXICOLOGICAL INFORMATION (IN RATS & MICE)

Acute toxicity

Oral LD50 LD50 Oral - rat - 413 mg/kg

##### **Limited evidence of a carcinogenic effect.**

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

##### **Potential health effects**

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion:** Toxic if swallowed.

**Skin:** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes:** May cause eye irritation.

### Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### [12] ECOLOGICAL INFORMATION

#### Toxicity

**Toxicity to fish:** LC50 - Pimephalespromelas (fathead minnow) - 0.047mg/l-96h

#### Toxicity to daphnia

**and other aquatic invertebrates:** LC50 - Daphnia magna (Water flea) - 420 mg/l - 48 h

#### Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life.no data available

### [13] DISPOSAL CONSIDERATION

#### Product

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.

#### Contaminated packaging

Dispose of as unused product.

### [14] TRANSPORT INFORMATION

#### DYE LIQUID, CORROSIVE, N.O.S (BASIC VIOLET 1, METHYL VIOLET LIQUID)

Land transport TDG:	UN-number: 2801 Class: 8 PG: III
Sea transport IMDG:	UN-number: 2801 Class: 8 PG: III
Air transport IATA/ICAO:	UN-number: 2801 Class: 8 PG: III

### [15] REGULATORY INFORMATION

#### OSHA Hazards

Toxic by ingestion, Carcinogen

#### SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

### [16] OTHER INFORMATION

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations. The information given and the recommendations made herein apply to our product alone and not combined with other products. Such are based on our research and on data from other reliable sources and are believed to be accurate. No guarantee of accuracy is made. It is the purchasers' responsibility before using any product to verify these data under their own operating conditions and to determine if the product is suitable for their purposes.