

# CRYSTAL VIOLET, 1% AQUEOUS

## Section 1 - Chemical Product and Company Identification

**SDS Name:** Crystal Violet, 1% Aqueous

**Catalog Numbers:** A-105-1, A-106-1, SO-316, MA-300-1

**Company Identification:** ROWLEY BIOCHEMICAL  
10 ELECTRONICS AVENUE  
DANVERS, MA 01923

**For information, call:** 978-739-4883

**Emergency Number:** 800-424-9300

**For CHEMTREC assistance, call:** 800-424-9300

## Section 2 - Hazards Identification

### GHS Classifications

H302-Acute Oral Toxicity: 4

H316-Skin Corrosion/ Skin Irritation: 3

H319-Serious eye damage/eye irritation: 2A

H351-Carcinogenicity: 2

H411-Hazardous to the aquatic environment, chronic toxicity: 2

### Pictograms or Hazard Symbols and Hazard Statement(s)



Signal Word: Warning!

### Hazard Statements:

H302-Harmful if swallowed

H316-Causes mild skin irritation

H319-Causes serious eye irritation

H351-Suspected of causing cancer

H411-Toxic to aquatic life with long lasting effects

### Precautionary Statements:

P201-Obtain special instructions before use.

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

P264-Wash thoroughly after handling.  
P270-Do not eat, drink or smoke when using this product.  
P273-Avoid release to the environment.  
P280-Wear eye protection/face protection.  
P281-Use personal protective equipment as required.  
P301+P312-If swallowed: Call a Poison Center or doctor/physician if you feel unwell.  
P305+P351+P338-If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313-If exposed or concerned: Get medical advice/attention.  
P330-Rinse mouth.  
P332+P313-If skin irritation occurs: Get medical advice/attention.  
P337+P313-If eye irritation persists: Get medical advice/attention.  
P391-Collect spillage.  
P405-Store locked up.  
P501-Dispose of contents/container in accordance with local/regional/national/international regulations.

### Section 3 - Composition, Information on Ingredients

| CAS#      | Chemical Name  | Percent |
|-----------|----------------|---------|
| 548-62-9  | Crystal Violet | 1 w/v   |
| 7732-18-5 | Water          | balance |

### Section 4 - First Aid Measures

**Eye Exposure:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**Dermal Exposure:** In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes.

**Oral Exposure:** If Swallowing seek immediate medical advice.

**Inhalation Exposure:** If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

### Section 5 - Fire Fighting Measures

**NFPA** HEALTH 1 FLAMMABILITY 0 REACTIVITY 0

Firefighters should wear proper protective clothing and self contained breathing apparatus with full piece operated in positive pressure mode to prevent contact with skin and eyes.

Water may be ineffective in fighting fire. Use water spray to keep for exposed containers cool.

**Extinguishing Media:** Use water spray, dry chemical powder, or appropriate foam.

**Flash Point:** N/A

**Auto ignition Temperature:** N/A

**Explosion Limits:** N/A

**Upper:** N/A

#### Section 6 - Accidental Release Measures

**Procedure(s) of Personal Precaution(s):**

Wear protective gear.

**Methods for Cleaning up:** Absorb with sand, earth or vermiculite. Carefully sweep up and containerize for proper disposal.

#### Section 7 - Handling and Storage

Use care when handling. Avoid contact with skin, eyes and clothing. Store at room temperature.

#### Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:**

Mechanical exhaust

**Personal Protective Equipment:**

Other: Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

#### Section 9 - Physical and Chemical Properties

**Physical State:** Liquid

**Appearance:** Purple

**pH:** N/A

**Vapor Pressure:** N/A  
**Vapor Density:** N/A  
**Evaporation Rate:** N/A  
**Viscosity:** N/A  
**Boiling Point:** 100 deg. C

Section 10 - Stability and Reactivity

**Chemical Stability:** Use care when handling. Avoid contact with skin, eyes and clothing. Store at room temperature.

**Hazardous Decomposition Products:** not known

**Hazardous Polymerization:** Will not occur.

Section 11 - Toxicological Information

RTECS# CAS# 548-62-9: B09000000

LD50/LC50

CAS# 548-62-9

Oral, mouse: LD50=96mg/kg

Oral, rabbit: LD50=150 mg/kg

Oral, rat: LD50=420 mg/kg

**Carcinogenicity:**

CAS# 548-62-9: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA

**Routes of exposure:** Multiple routes: May cause irritation, May be harmful by ingestion, or skin absorption.

Section 12 - Ecological Information

**Ecotoxicity:**

CAS#: 548-62-9 Not Available

Section 13 - Disposal Considerations

DISPOSAL: Dispose of in accordance with all federal, state, and local regulations.

## Section 14 – Transport Information

### **DOT**

Non-Regulated

## Section 15 - Regulatory Information

### Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

### **European/International Regulations**

#### **European Labeling in Accordance with EC Directives**

#### **Risk Phrases:**

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed

R36/38 Irritating to eyes and skin

R42/43 May cause sensitization by inhalation and skin contact

R48/20/21/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed

#### **Safety Phrases:**

S3/7/9 Keep container closed in a cool, well-ventilated place

S24/25 Avoid contact with skin and eyes

S20/21 When using do not eat, drink or smoke

S2 Keep out of the reach of children.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S28 After contact with skin, wash immediately with plenty of soap and water

S37/39 Wear suitable gloves and eye/face protection

R42/43 May cause sensitization by inhalation and skin contact

## Section 16 - Additional Information

**SDS Creation Date:** 1/8/2010

**Revision #1** 9/19/14 YM

Rev. # 1 Change from MSDS to SDS

Rev. # 2 Change statement on section 13 RC 7/30/15

Rev. # 3 8-15-18

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