

Hardy Diagnostics

Safety Data Sheet

1. Product And Company Identification

1.1. Product identifiers

Product Name: **Advanced Crystal Violet™**

Other Common Names: None

Catalog Number: C008A

1.2. Recommended use

Used as a primary stain in the advanced gram stain procedure.

1.3. Details of the supplier of this Safety Data Sheet

Company: Hardy Diagnostics
 1430 West McCoy Lane
 Santa Maria, CA 93455

Telephone: (805) 346-2766

(800) 266-2222

Emergency Phone: (800) 424-9300 ChemTrec (24hr service)

2. Hazards Identification

2.1. Classification of substance or mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS)

Flammable Liquids (Category 3), H226

Eye Irritation (Category 2A), H319


Acute Toxicity – Oral (Category 4), H302

Acute Toxicity – Inhalation (Category 4), H332

Acute Toxicity – Dermal (Category 4), H312

Carcinogenicity (Category 2), H351

2.2. GHS Label elements, including precautionary statements

| | |
|----------------------------------|--|
| Pictogram: |  |
| Signal Word: | Warning |
| Hazard Statements: | |
| H226 | Flammable liquid and vapor |
| H319 | Causes serious eye irritation |
| H302 | Harmful if swallowed |
| H332 | Harmful if inhaled |
| H312 | Harmful in contact with skin |
| H351 | Suspected of causing cancer |
| Precautionary Statements: | |
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P210 | Keep away from heat, hot surfaces, sparks, open flame, and other ignition sources. No smoking. |

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| P233 | Keep container tightly closed. |
| P240 | Ground and bond container and receiving equipment. |
| P241 | Use explosion-proof equipment. |
| P242 | Use non-sparking tools. |
| P243 | Take action to prevent static discharges. |
| P261 | Avoid breathing dust/fume/gas/mist/vapors/spray |
| P264 | Wash hands thoroughly after handling. |
| P270 | Do not eat, drink, or smoke when using this product. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P280 | Wear protective gloves, protective clothing, and eye protection. |
| P312 | Call a POISON CENTER/doctor if you feel unwell |
| P302+P352 | IF ON SKIN: Wash with plenty of water |
| P303+P361+P353 | IF ON SKIN: 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 |
| 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. |
| P321 | Specific treatment (see supplemental first aid instructions on this label). |
| P330 | Rinse mouth |
| P337+P313 | If eye irritation persists: Get medical attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P370+P378 | In case of fire: Use carbon dioxide, dry chemicals, sand, and alcohol-resistant foam. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| P405 | Store locked up. |
| P501 | Dispose of contents or container at an approved waste disposal facility, according to applicable regulations. |

2.3. Hazards not otherwise classified or not covered by GHS

No data available.

3. Composition/Information on Ingredients

3.1. Mixtures

Hazardous components:

| Substance: | Concentration: | Hazard Information: |
|-----------------------------------|----------------|---|
| Ethanol (CAS# 64-17-5) | 18.0% | Flammable Liquids 3 |
| Crystal Violet (CAS# 548-62-9) | 2.0% | Eye Irritation 2, Carcinogenicity 2, Acute Aquatic Toxicity 3, Chronic Aquatic Toxicity 3 |
| Isopropanol (CAS# 67-63-0) | 1.0% | Flammable Liquids 3, Eye Irritation 2A |
| Methanol (CAS# 67-56-1) | 1.0% | Flammable Liquids 3, Single Target Organ Toxicity 1 |

4. First Aid Measures

4.1. Description of first aid measures

| | |
|----------------------|--|
| Inhalation: | If inhaled, remove to fresh air. If not breathing, give artificial respiration and immediately seek medical attention. |
| Ingestion: | Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical advice. |
| Skin Contact: | Immediately wash thoroughly with soap and water. If irritation persists, consult a physician. Avoid touching contaminated clothing. |
| Eye Contact: | Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, keeping eyelids open. If irritation persists, consult a physician. |

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

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

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

No data available.

5. Firefighting Measures

5.1. Extinguishing media

Carbon dioxide, dry chemical powder, sand, or alcohol-resistant foam.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

In the event of a fire, wear protective clothing and NIOSH-approved breathing apparatus necessary to prevent any possible irritation.

5.4. Further information

No data available.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment: chemical resistant gloves. Keep unprotected persons away.

Environmental precautions

No data available.

6.2. Methods and materials for containment and cleaning up

Wipe up with a damp sponge or mop.

6.3. Reference to other sections

For disposal, see section 13.

7. Handling and Storage

7.1. Precautions for safe handling

Wear appropriate personal protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Store away from all sources of ignition. Store in a cool, dry, well ventilated place in accordance with specified storage conditions

7.3. Specific end uses

Apart from uses mentioned in section 1.2, not other specific uses are stipulated.

8. Exposure Controls/Personal Protection

8.1. Control parameters

No data available.

8.2. Appropriate engineering controls

Safety shower and eye bath. Mechanical exhaust recommended.

8.3. Personal protective equipment

| | |
|-------------------------|--|
| Eye/Face: | Safety goggles |
| Skin: | Chemical resistant gloves. Wash thoroughly after handling. |
| Respiratory: | None for normal use |
| Thermal Hazards: | Not Determined |

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

| | |
|--|--|
| Appearance: | Physical State: Liquid Color: Dark purple |
| Odor: | Alcohol smell |
| Odor Threshold: | Not Determined |
| pH: | Not Applicable |
| Melting/Freezing Point: | Not Determined |
| Boiling Point: | 100°C |
| Flash Point: | 43°C (109°F) TCC |
| Evaporation Rate: | Not Determined |
| Flammability: | Not Determined |
| Explosion Limits: | Not Determined |
| Vapor Pressure: | 18 mm Hg at 20°C |
| Vapor Density: | Not Determined |
| Relative Density: | 0.95 g/ml |
| Water Solubility: | Soluble |
| Partition coefficient (n-octanol/water): | Not Determined |
| Auto-ignition Temperature: | Not Determined |
| Decomposition Temperature: | Not Determined |
| Viscosity: | Not Determined |
| Explosive Properties: | Not Determined |
| Oxidizing Properties: | Not Determined |

9.2. Other safety information

No data available.

10. Stability and Reactivity

| | |
|---|---|
| Reactivity | No data available |
| Chemical stability | This product is stable. Freezes at low temperature |
| Possibility of hazardous reactions | No data available |
| Conditions to avoid | Heat, flame, sources of ignition, and direct sunlight |

| | |
|---|---|
| Incompatible materials | No data available |
| Hazardous decomposition products | No dangerous decomposition products known |

11. **Toxicological Information**

11.1. **Information on toxicological effects**

| | |
|---|-----------------------|
| Acute toxicity | No data available |
| Skin corrosion/irritation | No data available |
| Serious eye damage/eye irritation | Causes eye irritation |
| Respiratory or skin sensitization | No data available |
| Germ cell mutagenicity | No data available |
| Carcinogenicity | No data available |
| Reproductive toxicity | No data available |
| Specific target organ toxicity – single exposure | No data available |
| Specific target organ toxicity – repeated exposure | No data available |
| Aspiration Hazard | No data available |
| Additional information | No data available. |

12. **Ecological Information**

| | |
|---|-------------------|
| Toxicity | No data available |
| Persistence and degradability | No data available |
| Bioaccumulative potential | No data available |
| Mobility in soil | No data available |
| Results of PBT and vPvB assessment | No data available |
| Other adverse effects | No data available |

13. **Disposal Considerations**

13.1. **Waste disposal**

Dispose of in accordance with applicable state and federal regulations.
 Disposal must be in accordance with regulations 40 CFR 261.

14. **Transport Information**

| | |
|------------------------------|------|
| DOT hazard class | None |
| Shipping name | None |
| Identification number | None |
| Packing group | None |

15. **Regulations**

| | |
|------------------------|---------------|
| Carcinogenicity | Yes/No |
| NTP: | No |
| IARC: | No |
| OSHA: | No |
| California Prop 65: | Yes, methanol |
| IATA: | No |

16. Other Information

The above information, to the best of our knowledge, is accurate. Hardy Diagnostics assumes no liability whatsoever for the accuracy or completeness of the information stated above. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards may be described, we cannot guarantee that these are the only hazards that exist.

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