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: C128A

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 2), H319
Carcinogenicity (Category 2), H351
Specific Target Organ Toxicity, Single Exposure (Category 1), H370
Acute Aquatic Toxicity (Category 3), H402
Chronic Aquatic Toxicity (Category 3), H412

2.2. **GHS Label elements, including precautionary statements**

Pictogram:	
Signal Word:	**Danger**
Hazard Statements:	
H226	Flammable liquid and vapor
H319	Causes serious eye irritation
H351	Suspected of causing cancer
H370	Causes damage to organs
H402	Harmful to aquatic life
H412	Harmful 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.
P210	Keep away from heat, hot surfaces, sparks, open flame, and other ignition sources. No smoking.

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.
P260	Do not breathe fumes, mists, or vapors.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves, protective clothing, and eye protection.
P303+P361+P353	IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water or shower.
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+P311	If exposed or concerned: Call a POISON CENTER.
P321	Specific treatment (see supplemental first aid instructions on this label).
P337+P313	If eye irritation persists: Get medical attention.
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, Specific 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:	Remove contaminated clothing. 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**
Pyrolysis will release toxic carbon monoxide.

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:	98°C
Flash Point:	36°C (95°F) TCC
Evaporation Rate:	1
Flammability:	Not Determined
Explosion Limits:	Not Determined
Vapor Pressure:	Not Determined
Vapor Density:	0.6
Relative Density:	0.988 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	Oxidizers
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	3
Shipping name	Ethanol Solution
Identification number	UN1170
Packing group	III

15. Regulations

Carcinogenicity	**Yes/No**
NTP:	No
IARC:	3—Isopropanol
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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