

# Hardy Diagnostics

## Safety Data Sheet

### 1. Product And Company Identification

#### 1.1. Product identifiers

Product Name: **Basic Fuchsin**  
 Other Common Names: None  
 Catalog Number: BF008

#### 1.2. Recommended use

A stronger, more intense counterstain that produces a darker red color; works especially well with anaerobes and other difficult to stain organisms.

#### 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 Liquid (Category 3), H226**  
**Carcinogenicity (Category 2), H351**  
**Acute toxicity (Oral, Category 4), H302**  
**Acute toxicity (Inhalation, Category 4), H332**  
**Acute toxicity (Dermal, Category 5), H313**

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

|                                  |   |
|----------------------------------|---|
| <b>Pictogram:</b>                |              |
| <b>Signal Word:</b>              | <b>Danger</b>   |
| <b>Hazard Statements:</b>        |   |
| H226                             | Flammable liquid and vapour   |
| H319                             | Causes serious eye irritation   |
| H302                             | Harmful if swallowed  |
| H332                             | Harmful if inhaled  |
| H313                             | May be harmful in contact with skin   |
| H351                             | Suspected of causing cancer   |
| <b>Precautionary Statements:</b> |   |
| 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 flames, 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.  |
| P261           | Avoid breathing dust/fume/gas/mist/vapours/spray   |
| P264           | Wash 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 face protection.  |
| P301+p312      | CALL a POISON CENTER/ DOCTOR if you feel unwell  |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.                 |
| P304+P340      | IF INHALLED: Remove person to fresh air and keep comfortable for breathing.                                  |
| P308+P313      | If exposed or concerned: Get medical attention.  |
| P370+P378      | In case of fire: use carbon dioxide, dry chemical powder, sand, or alcohol-resistant foam to extinguish.     |
| 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<br>(CAS# 64-17-5)         | 9.0% v/v       | Flammable liquid 4                    |
| Isopropanol<br>(CAS # 67-63-0)    | 1% v/v         | Flammable liquid 3; Eye Irritation 2A |
| Methanol<br>(CAS # 67-56-1)       | 1% v/v         | Flammable liquid 3; Acute toxicity 4  |
| Basic Fuchsin<br>(CAS # 632-99-5) | 0.125% v/v     | Carcinogenicity 2                     |

## 4. First Aid Measures

### 4.1. Description of first aid measures

|                      |  |
|----------------------|--|
| <b>Inhalation:</b>   | If inhaled, remove to fresh air. If not breathing, give artificial respiration and immediately seek medical attention.   |
| <b>Ingestion:</b>    | Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical advice.                                |
| <b>Skin Contact:</b> | Immediately wash thoroughly with soap and water. If irritation persists, consult a physician. Avoid touching contaminated clothing.  |
| <b>Eye Contact:</b>  | 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**

Pyrolysis will release toxic carbon monoxide, formaldehyde and methanol.

**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 in a cool, dry place in accordance with specified storage conditions.

**7.3. Specific end uses**

Apart from uses mentioned in section 1.2, no 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

|                         |   |
|-------------------------|---|
| <b>Eye/Face:</b>        | Safety goggles  |
| <b>Skin:</b>            | Chemical resistant gloves. Wash thoroughly after handling   |
| <b>Respiratory:</b>     | None for normal use. In case of emergency, or when exposure levels are un- known, use a positive pressure, full face piece, air supplied respirator |
| <b>Thermal Hazards:</b> | No data available   |

## 9. Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

|  |                                |
|--|--------------------------------|
| Appearance:                              | A clear red liquid             |
| Odor:                                    | a sweet odor                   |
| Odor Threshold:                          | Not Determined                 |
| pH:                                      | Not applicable                 |
| Melting/Freezing Point:                  | Not Determined                 |
| Boiling Point:                           | 78 °C (173 °F)                 |
| Flash Point:                             | 49°C (120°F) TCC               |
| Evaporation Rate:                        | 1                              |
| Flammability:                            | Not Determined                 |
| Explosion Limits:                        | Not Determined                 |
| Vapor Pressure:                          | 18mm Hg at 20°C                |
| Vapor Density:                           | 0.6                            |
| Relative Density:                        | 0.99 g/ml @ 22.5 °C            |
| Water Solubility:                        | Infinitely miscible with water |
| 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

|   |  |
|---|--|
| <b>Reactivity</b>                         | No data available.                         |
| <b>Chemical stability</b>                 | This product is stable.                    |
| <b>Possibility of hazardous reactions</b> | No data available.                         |
| <b>Conditions to avoid</b>                | Heat and direct sunlight                   |
| <b>Incompatible materials</b>             | Ignition sources                           |
| <b>Hazardous decomposition products</b>   | No dangerous decomposition products known. |

## 11. Toxicological Information

### 11.1. Information on toxicological effects

|  |                   |
|--|-------------------|
| <b>Acute toxicity</b>                    | No data available |
| <b>Skin corrosion/irritation</b>         | No data available |
| <b>Serious eye damage/eye irritation</b> | No data available |
| <b>Respiratory or skin sensitization</b> | No data available |

|   |                    |
|---|--------------------|
| <b>Germ cell mutagenicity</b>                             | No data available  |
| <b>Carcinogenicity</b>                                    | May cause cancer   |
| <b>Reproductive toxicity</b>                              | No data available  |
| <b>Specific target organ toxicity – single exposure</b>   | No data available  |
| <b>Specific target organ toxicity – repeated exposure</b> | No data available  |
| <b>Aspiration Hazard</b>                                  | No data available  |
| <b>Additional information</b>                             | No data available. |

## 12. Ecological Information

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

|                              |      |
|------------------------------|------|
| <b>DOT hazard class</b>      | None |
| <b>Shipping name</b>         | None |
| <b>Identification number</b> | None |
| <b>Packing group</b>         | None |

## 15. Regulations

| <b>Carcinogenicity</b> | <b>Yes/No</b>  |
|------------------------|--|
| NTP:                   | Classified 2 (some evidence) – for Basic Fuchsin       |
| IARC:                  | Classified 2B (possible for human) – for Basic Fuchsin |
| OSHA:                  | Yes – for Basic Fuchsin                                |
| California Prop 65:    | Yes – for 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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**HARDY DIAGNOSTICS**

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