

Hardy Diagnostics

Safety Data Sheet

1. Product And Company Identification

1.1. Product identifiers

Product Name: **Decolorizer, Intermediate (50% Acetone, 50% Alcohol)**
 Other Common Names: None
 Catalog Number: D008

1.2. Recommended use

Used in the gram stain procedure, intermediate 50% alcohol/50% acetone.

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 2), H225
Eye Irritant (Category 2A), H319
Acute Toxicity, Oral (Category 4), H302
Acute Toxicity, Inhalation (Category 4), H332
Acute Toxicity, Dermal (Category 5), H313
Specific Target Organ Toxicity, Single Exposure (Category 3), H336

2.2. GHS Label elements, including precautionary statements

Pictogram:	
Signal Word:	Danger
Hazard Statements:	
H225	Highly flammable liquid and vapor
H319	Causes serious eye irritation
H302	Harmful if swallowed.
H332	Harmful if inhaled.
H313	May be harmful in contact with skin.
H336	May cause drowsiness or dizziness.
Precautionary Statements:	
P210	Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
P242	Use non-sparking tools.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.

P241	Use explosion-proof equipment.
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.
P280	Wear eye protection.
P303+P361+P353	IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water.
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.
P312	Call a POISON CENTER if you feel unwell.
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 water spray, carbon dioxide, dry chemical powder, or appropriate 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:
Acetone (CAS# 67-64-1)	50.0%	Eye Irritant 2A, Flammable Liquid 2
Ethanol (CAS # 64-17-5)	45.0%	Flammable Liquid 2
Isopropanol (CAS # 67-63-0)	2.5%	Eye Irritant 2A, Flammable Liquid 2
Methanol (CAS # 67-56-1)	2.5%	Specific Target Organ Toxicity Single Exposure 3, Flammable Liquid 2

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:	Immediately flush eyes with plenty of water for at least 15 minutes, keeping eyelids open. If irritation persists, consult a physician.
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- 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**
Water spray, carbon dioxide, dry chemical powder, or appropriate 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**
Ventilate area of leak or spill. Remove all sources of ignition. Contain and recover liquid when possible. Use non-sparking tools and equipment.
- 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, 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.

8.3. Personal protective equipment

Eye/Face:	Safety goggles
Skin:	Chemical resistant gloves. Wash thoroughly after handling.
Respiratory:	None for normal use
Thermal Hazards:	No data available

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance:	Physical State: Liquid Color: Clear and colorless
Odor:	Alcohol smell
Odor Threshold:	Not Determined
pH:	Not Determined
Melting/Freezing Point:	Not Determined
Boiling Point:	60-63°C
Flash Point:	-10°C (14°F) TCC
Evaporation Rate:	1
Flammability:	Not Determined
Explosion Limits:	Not Determined
Vapor Pressure:	184 mm Hg at 20°C
Vapor Density:	2
Relative Density:	0.787g/mL at 22°C
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 under ordinary conditions of use and storage.
Possibility of hazardous reactions	No data available.
Conditions to avoid	Heat, flames
Incompatible materials	Oxidizers, alkali metals, peroxides
Hazardous decomposition products	No dangerous decomposition products known.

11. Toxicological Information

11.1. Information on toxicological effects

Acute toxicity	<i>Ethanol</i> LD50 Oral 10470mg/kg (rat) LD50 Dermal 15740mg/kg (rat) LC50 Inhalation 125mg/L/4H (rat)
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	<i>Acetone</i> LD50 Oral 500mg/kg (rat) LD50 Dermal >7,400mg/kg (rat) LC50 Inhalation 76mg/L/4H (rat) <i>Isopropanol</i> LD50 Oral >4,700mg/kg (rat) LD50 Dermal 13,000mg/kg (rabbit) LC50 Inhalation 19,000ppm/8H (rat) <i>Methanol</i> LD50 Oral 5,628mg/kg (rat) LD50 Dermal 15,800mg/kg (rabbit) LC50 Inhalation 64,000ppm/4H (rat)
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	Causes serious 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	Liver, kidneys
Specific target organ toxicity – repeated exposure	No data available
Aspiration Hazard	No data available
Additional information	Harmful, irritant

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	Flammable Liquid, N.O.S (acetone)
Identification number	UN1993
Packing group	II

15. Regulations

Carcinogenicity	Yes/No
NTP:	No
IARC:	3

OSHA:	No
California Prop 65:	Yes
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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