

# Hardy Diagnostics

## Safety Data Sheet

### 1. Product And Company Identification

#### 1.1. Product identifiers

Product Name: **Lens Cleaner**  
 Other Common Names: None  
 Catalog Number: Z97

#### 1.2. Recommended use

A safe and effective microscope lens cleaning solution in a dropper bottle.

#### 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)  
**Skin Irritation (Category 2), H315**  
**Eye Irritation (Category 2), H319**  
**Acute Aquatic Toxicity (Category 2), H401**  
**Chronic Aquatic Toxicity (Category 2), H411**  
**Specific Target Organ Toxicity Single Exposure (Category 1), H370**  
**Specific Target Organ Toxicity Repeated Exposure (Category 1), H372**  
**Flammable Liquid (Category 2), H225**

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

<b>Pictogram:</b>	
<b>Signal Word:</b>	<b>Danger</b>
<b>Hazard Statements:</b>	
H315	Causes skin irritation
H319	Causes serious eye irritation
H225	Highly flammable liquid and vapour
H370	Causes damage to organs
H372	Causes damage to organs through prolonged or repeated exposure
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects
<b>Precautionary Statements:</b>	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources

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 no breath dust/fume/gas/vapor/spray
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 and eye protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353	IF ON SKIN (or hair): 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/doctor
P314	Get medical advice/attention if you feel unwell
P321	Specific treatment (see supplemental first aid instructions on this label).
P332+P313	If skin irritation occurs: Get medical attention.
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 Alcohol foam, carbon dioxide or dry chemical to extinguish
P391	Collect spillage.
P405+P235	Store locked up. Keep cool.
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:

<b>Substance:</b>	<b>Concentration:</b>	<b>Hazard Information:</b>
Ethylene Glycol, Reagent (CAS#107-21-1)	2%	Single Target, Organ Toxicity SE 1, Single Target Organ Toxicity RE 1
Ammonium Hydroxide, 50% (CAS# 1336-21-6)	4.0%	Skin Irritation 2, Eye Irritation 2, Acute Aquatic Toxicity 2, Chronic Aquatic Toxicity 2
Isopropanol (CAS#67-63-0)	2.9%	Flammable liquid

## **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, 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. Recover spill or leak with inert material such as vermiculite or sand. Contain recovered material in a suitable receptacle.

### **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**

<b>Eye/Face:</b>	Safety goggles.
<b>Skin:</b>	Chemical resistant gloves.
<b>Respiratory:</b>	None.
<b>Thermal Hazards:</b>	No data available.

**9. Physical and Chemical Properties**

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

Appearance:	Physical State: Liquid Color: Colorless
Odor:	Alcohol smell
Odor Threshold:	Not Determined
pH:	Not Applicable
Melting/Freezing Point:	Not Determined
Boiling Point:	Not Determined
Flash Point:	Not Determined
Evaporation Rate:	Not Determined
Flammability:	Not Determined
Explosion Limits:	Not Determined
Vapor Pressure:	Not Determined
Vapor Density:	Not Determined
Relative Density:	Not Determined
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**

<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, flames, or ignition sources.

<b>Incompatible materials</b>	No data available.
<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>	Causes skin irritation
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation
<b>Respiratory or skin sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<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>	Toxic to aquatic life with long lasting effects

## 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>	Class 8 Corrosive Material
<b>Shipping name</b>	Ammonia Solution
<b>Identification number</b>	UN2672
<b>Packing group</b>	III

## 15. Regulations

<b>Carcinogenicity</b>	<b>Yes/No</b>
NTP:	No
IARC:	No
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.

Revision Date: 05/24/2022

### **HARDY DIAGNOSTICS**

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