

Hardy Diagnostics

Safety Data Sheet

1. Product And Company Identification

1.1. Product identifiers

Product Name: Immersion Oil, Type B

Other Common Names: None

Catalog Number: Z86

1.2. Recommended use

Used to assist in microscopic examination at high power (1,000 X lens) by increasing the resolving power. Type B is a high viscosity Immersion Oil.

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

Aquatic Toxicity, Chronic (Category 1), H410

2.2. GHS Label elements, including precautionary statements

Pictogram:	
Signal Word:	Warning
Hazard Statements:	
H315	Causes skin irritation.
H410	Very toxic to aquatic life with long lasting effects.
Precautionary Statements:	
P264	Wash hands, forearms, and other exposed areas thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves, protective clothing, and eye protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P321	Specific treatment (see section 4 on this SDS).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Avoid release to the environment.
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:

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

3. Composition/Information on Ingredients

3.1. Mixtures

Hazardous components:

Substance:	Concentration:	Hazard Information:
Proprietary*	100.0%	Skin Irritation 2, Chronic Aquatic 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

If you feel unwell, seek medical advice (show the label where possible).

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

Not considered flammable but may burn at high temperatures

5.3. Advice for firefighters

Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. In the event of a fire, wear protective clothing and NIOSH-approved breathing apparatus necessary to prevent any possible irritation.

5.4. Further information

Refer to Section 9 for flammability properties.

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

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.2. Methods and materials for containment and cleaning up

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Clean up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal.

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. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials i.e. strong acids, strong bases, strong oxidizers.

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:	Protective goggles
Skin:	Gloves
Respiratory:	If irritation is experienced, approved respiratory protection should be worn.
Thermal Hazards:	N/A

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance:	Physical State: liquid, oily Color: clear colorless to light yellow
Odor:	Slight
Odor Threshold:	Not Determined
pH:	Not Determined
Melting/Freezing Point:	0°C (32°F)/ Not Determined
Boiling Point:	≈ 340 °C (≈ 644 °F) @ 101.32 hPa (760 mm Hg)
Flash Point:	163 °C (325,40 °F) (Open Cup)
Evaporation Rate:	ca 1
Flammability:	Not Determined

Explosion Limits:	Not Determined
Vapor Pressure:	< 13.33 pascals (< 0.1 mmHg)
Vapor Density:	ca = 1
Relative Density:	0.923 @ 25°C
Water Solubility:	Nil
Partition coefficient (n-octanol/water):	Not Determined
Auto-ignition Temperature:	Not Determined
Decomposition Temperature:	Not Determined
Viscosity:	150, 1250 cSt @ 23°C
Explosive Properties:	Not Explosive
Oxidizing Properties:	Not Determined

9.2. Other safety information

No data available.

10. Stability and Reactivity

Reactivity	Hazardous reactions will not occur under normal conditions.
Chemical stability	This product is stable.
Possibility of hazardous reactions	Hazardous polymerization will not occur.
Conditions to avoid	Direct sunlight. Extremely high or low temperatures. Ignition sources. Incompatible materials.
Incompatible materials	Strong oxidizers.
Hazardous decomposition products	Carbon oxides (CO, CO ₂).

11. Toxicological Information

11.1. Information on toxicological effects

Acute toxicity	No data available
Skin corrosion/irritation	Causes skin irritation
Serious eye damage/eye irritation	No data available
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	Very toxic to aquatic life. Harmful to aquatic life with long lasting effects.
Persistence and degradability	No data available
Bioaccumulative potential	Log Pow, > 6
Mobility in soil	No data available
Results of PBT and vPvB assessment	No data available

Other adverse effects	Avoid release to the environment.
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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	No
NTP:	No
IARC:	No
OSHA:	No
California Prop 65:	No
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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