

Hardy Diagnostics

Safety Data Sheet

1. Product And Company Identification

1.1. Product identifiers

Product Name: **Methanol**
 Other Common Names: Methyl alcohol
 Catalog Number: QS1016

1.2. Recommended use

For the fixation of specimens before Gram staining.

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)
Acute Toxicity (Category 3, all), H301+H311+H331
Specific Organ Toxicity, (Single Exposure, Category 1), H335+H336
Flammable Liquid (Category 2), H225

2.2. GHS Label elements, including precautionary statements

Pictogram:	
Signal Word:	Danger
Hazard Statements:	
H225	Highly flammable liquid and vapor
H301	Toxic if swallowed
H311	Toxic in contact with skin
H331	Toxic if inhaled
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
Precautionary Statements:	
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 electrical/ventilating/lighting/equipment.
P242	Use non-sparking tools.
P243	Take precautionary measures against static discharge.

P261	Do not breathe dust/fume/gas/mist/vaporous/spray.
P264	Wash skin 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/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353	IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water.
P304+P340	IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P311	Call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P321	Specific treatment (see...on this label).
P330	Rinse mouth.
P361+P364	Take off immediately all contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P403+P235	Store in a well-ventilated place. Keep cool.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
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:
Methyl Alcohol (CH ₃ OH) (CAS# 67-56-1)	<=100.0%	Flam. Liq. 2; Acute Tox. 3; STOT SE 1; H225, H301 + H311 + H331, H370

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. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a Physician.
Skin Contact:	Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
Eye Contact:	Flush eyes with water as a precaution.

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**

Dry powder, dry sand.

5.2. **Special hazards arising from the substance or mixture**

No data available.

5.3. **Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

5.4. **Further information**

No data available.

6. **Accidental Release Measures**

6.1. **Personal precautions, protective equipment and emergency procedures**

Wear respiratory protection. Avoid breathing in vapors, mist, or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see section 8.

6.2. **Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3. **Methods and materials for containment and cleaning up**

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/ national regulations. (see section 13).

6.4. **Reference to other sections**

For disposal, see section 13.

7. **Handling and Storage**

7.1. **Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build-up of electrostatic charge.

For precautions see section 2.2.

7.2. **Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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

8.2. Appropriate engineering controls

8.2.1. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

8.3. Personal protective equipment

Eye/Face:	Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate Government standards such as NIOSH (US) or EN 166(EU).
Skin:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Respiratory:	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Thermal Hazards:	No Data Available

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance:	Physical State: Liquid Color: Colorless
Odor:	Pungent
Odor Threshold:	Not Determined
pH:	Not Determined
Melting/Freezing Point:	Melting point/range: -98 °C (-144 °F)
Boiling Point:	64.7 °C (148.5 °F)
Flash Point:	9.7 °C (49.5 °F) – closed cup
Evaporation Rate:	Not Determined
Flammability:	Not Determined
Explosion Limits:	Upper explosion limit: 36 %(V) Lower explosion limit: 6 %(V)
Vapor Pressure:	130.3 hPa (97.7 mmHg) at 20.0 °C (68.0 °F) 546.6 hPa (410.0 mmHg) at 50.0 °C (122.0 °F) 169.27 hPa (126.96 mmHg) at 25.0 °C (77.0 °F)
Vapor Density:	1.11
Relative Density:	0.791 g/mL at 25.0 °C (77.0 °F)
Water Solubility:	Completely miscible
Partition coefficient (n-octanol/water):	Log Pow: -0.77
Auto-ignition Temperature:	455.0 °C (851.0 °F) at 1,013 hPa (760 mmHg)

Decomposition Temperature:	Not Determined
Viscosity:	Not Determined
Explosive Properties:	Not Determined
Oxidizing Properties:	The substance or mixture is not classified as oxidizing.

9.2. **Other safety information**

No data available.

10. **Stability and Reactivity**

Reactivity	No data available.
Chemical stability	This product is stable.
Possibility of hazardous reactions	No data available.
Conditions to avoid	No data available.
Incompatible materials	No data available
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	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	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	Methanol
Identification number	1230
Packing group	II

15. Regulations

Carcinogenicity	Yes/No
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.

HARDY DIAGNOSTICS

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