

SAFETY DATA SHEET

HELENA LABORATORIES
1530 Lindbergh Dr.
Beaumont, TX 77707
USA Toll Free 800-231-5663

DATE PREPARED: 2/2/2024

REVISION: 3

1. IDENTIFICATION

Product Number: 4950

Product identifier used on the label: PermaClear Solution

Other means of identification:

Component Name	Component Number
Perma Clear Solution	4950

Recommended use of the chemical and restrictions in use: For In-Vitro Diagnostic use.

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:

Helena Laboratories
1530 Lindbergh Dr.
Beaumont, TX 77707
Tel: (409) 842-3714
USE Toll Free 800-231-5663

Emergency phone number:

(409) 842-3714

2. HAZARD IDENTIFICATION**Classification of the chemical:**

Component Name	GHS Classification	Hazard Statement
Perma Clear Solution	Eye irritation (Category 2,A)	Irritant

Label elements:**Signal word:** Warning

Precautionary statements: May cause eye and skin irritations.

Wear protective gloves/protective clothing/eye and face protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	Chemical Name	CAS #	Concentration
Perma Clear Solution	1-Methyl-2-pyrrolidinone	872-50-4	70%

Note: All other chemicals present no significant physical or chemical hazard.

4. FIRST AID MEASURES

Description of first aid measures:

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin contact: Wash off with soap and plenty of water. Consult a physician.

Eye contact: Flush eyes with plenty of water. Obtain medical attention..

Ingestion: If swallowed, do not induce vomiting. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Extinguishing media: Water spray, dry chemical, carbon dioxide or alcohol resistant foam.

Special hazards arising from the substance or mixture: Carbon oxides, nitrogen oxides.

Special protective equipment and precautions for firefighters: Wear proper protective equipment and self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear personal protective equipment.

Methods and materials for containment and cleaning up: Pickup and transfer to container for proper disposal. Do not let product enter drains.

7. HANDLING AND STORAGE

Precautions for safe handling: Wear personal protective equipment, avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities: Store as per specified instructions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits (ACGIH TLV & OSHA PEL):

Chemical Name	ACGIH TLV	OSHA PEL
1-Methyl-2-pyrrolidinone	None listed	None listed

NOTE: All other components present no significant physical or chemical hazard.

Exposure controls:

Respiratory protection: Not required.

Skin protection: Wear appropriate protective gloves and suitable protective clothing.

Eye protection: Wear appropriate safety glasses or goggles.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless liquid

Odor: No data available

Odor threshold: No data available

pH: No data available

Melting point/Freezing point: No data available

Initial boiling point and range: No data available

Flash point: No data available

Evaporation rate: No data available

Flammability (solid, gas): No data available

Upper/lower flammability or explosive limits: No data available

Vapor pressure: No data available

Relative density: No data available

Solubility in water: No data available

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

10. STABILITY AND REACTIVITY

Reactivity: No data available.

Chemical stability: Stable under normal condition.

Possibility of hazard reaction: Hazardous polymerization does not occur.

Conditions to avoid: No data available.

Incompatible materials: Strong oxidizing agents, strong acids.

Hazard decomposition products: No data available.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

The calculated ATE value LD50 oral > 5000 mg/kg

Chemical Name	LD 50 (oral, rat)
1-Methyl-2-pyrrolidinone	3914 mg/kg

Potential health effects:

Inhalation: May be harmful if inhaled.

Ingestion: Harmful if swallowed.

Skin: Irritant.

Eye: Irritant.

Carcinogenicity: No components of this product present at level greater or equal 0.1% has been identified as carcinogens by ACGIH, IARC, NTP or OSHA.

Other important toxicological hazards: To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

Eco-toxicity: No data available

Persistence and degradability: No data available

Bio-accumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No data available

13. DISPOSAL CONSIDERATION

Observe all federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT (US): No data available

UN number:

UN proper shipping name:

Transport hazard class:

Packing group:

15. REGULATORY INFORMATION

US State Right to Know Laws:

California Proposition 65: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

1-Methyl-2-pyrrolidinone

16. OTHER INFORMATION**SDS Creation date:** 9/14/2015**Revision #:** 3**Disclaimer**

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Helena Laboratories shall not be held liable for any damage resulting from handling or from contact with the above product.