

SAFETY DATA SHEET

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

DATE PREPARED: 5/17/2024

REVISION: 7

1. IDENTIFICATION

Product Number: 2000

Product identifier used on the label: Protofluor Reagent and Coverslips Kit

Other means of identification:

Component Name	Component Number
Protofluor Reagent	2002/500736
Protofluor Calibrator – Low	2010
Protofluor Calibrator – High	2011
Protofluor Coverslips	2001

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
Protofluor Reagent	Acute toxicity (Category 2)	Poison

Label elements:

Signal word: Danger! Poison!

Precautionary statements:

Skin: May be fatal if absorbed through the skin. May cause skin irritation.

Eye: May cause eye irritation.

Inhalation: May be fatal if inhaled. May cause respiratory tract irritation.

Ingestion: May be fatal if swallowed.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	Chemical Name	CAS #	Concentration
Protofluor Reagent	Potassium Cyanide	151-50-8	1.1%

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

4. FIRST AID MEASURES

Description of first aid measures:

Skin contact: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Get medical attention immediately.

Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes. Get medical attention immediately.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Get medical attention immediately.

Ingestion: If swallowed, do not induce vomiting. Rinse mouth with water. Get medical attention immediately.

5. FIREFIGHTING MEASURES

Extinguishing media: Use any means suitable for extinguishing surrounding fire. Not considered to be fire or explosion hazard.

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

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear suitable protective clothing. Ensure adequate ventilation.

Methods and materials for containment and cleaning up: Absorb with an inert dry material and place in appropriate waste disposal container.

7. HANDLING AND STORAGE

Precautions for safe handling: Wear suitable protective equipment. Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed, in a cool area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls:

Skin protection: Wear suitable protective clothing and chemical resistant gloves.

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: Clear 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: Fully soluble

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

Chemical stability: Stable under recommended storage condition.

Possibility of hazard reaction: Hazardous polymerization does not occur.

Conditions to avoid: Heating.

Incompatible materials: Strong oxidizers, acids, peroxides.

Hazard decomposition products: Can emit deadly Hydrogen Cyanide and Nitric Oxide vapors when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Toxicological data:

The calculated ATE value LD50 oral = 46.2 mg/kg (Category 2)

Potential health effects:

Skin: May be fatal if absorbed through the skin. May cause skin irritation.

Eye: May cause eye irritation.

Inhalation: May be fatal if inhaled. May cause respiratory tract irritation.

Ingestion: May be fatal if swallowed

Carcinogenicity: Not listed as carcinogens by AGGIH, 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): Regulated as hazardous material during transportation.

UN number:

UN proper shipping name:

Transport hazard class:

Packing group:

15. REGULATORY INFORMATION**California Proposition 65:**

Protofluor Low and High Calibrators: This product can expose you to Pyridine, which is known to the State of California to cause cancer.

Protofluor Reagent: This product can expose you to Potassium Cyanide, which is known to the State of California to cause male developmental harm.

For more information, go to www.p65warnings.ca.gov.

16. OTHER INFORMATION

SDS Creation date: 9/14/2015

Revision #: 7

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.