

MATERIAL SAFETY DATA SHEET

Product Name

Immuno/Hema Screen™ Developer

Description

Water clear liquid, alcohol odor

Hazardous Ingredients

Ethyl Alcohol	68%	1880 mg/cubic M (ACG1H)
Methanol (Denaturant)	07%	260 mg/cubic M (US OSHA)
Hydrogen Peroxide	04%	1.4 mg/cubic M (ACG1H)

Physical/Chemical Characteristics

Boiling Point:	≈65°C
Solubility:	Soluble in water
Specific Gravity:	0.9
Percent Volatile:	>95
Vapor Pressure:	≈25 mm Hg@20°C
Evaporation Rate:	>1

Fire and Explosion Hazard Data

Flash Point: 15°C (Closed Container)
(Ethanol) Flammable Limits (%): LEL: 3.3% UEL: 19%
To Extinguish: Water, CO₂, Dry Chemical, Foam or Halon.
Toxic gases, acrid smoke and irritating fumes can be expected.

Reactivity

Incompatibilities: Acetone, aluminum, chlorine, chloroform, concentrated nitric acid, nitrogenous bases, strong oxidizers or reducing agents.

Avoid: Heat, sparks, flame or strong oxidizers. Can ignite vapor or liquid.



Health Hazard Data

Exposure

Eyes: Severe irritation following direct contact with vapor or liquid. Overexposure causes redness, swelling, tears, blurred vision, pain. Chronic and/or prolonged exposure can cause corneal damage resulting in visual impairment.

Skin: Irritation and temporary bleaching following direct contact. Dermatitis. Overexposure can cause redness, swelling, burning, pain, ulceration. Prolonged exposure can cause burns, ulceration, pain and skin discoloration.

Inhalation: Pulmonary irritation and general toxicity. Overexposure can cause coughing, sore throat, shortness of breath, dizziness, vomiting, convulsions, impaired vision or blindness, signs of alcohol intoxication.

Ingestion: Extreme toxicity is not expected following ingestion based on animal studies. Direct contact with mucous membranes may produce injury to the mouth and throat, vomiting, nausea, sweating or diuresis. Prolonged/repeated exposure could result in central nervous system, cardiovascular, liver, gastrointestinal or blood disorders.

Individuals sensitive to the toxic effects of this product would include those suffering from asthma, hypertension, liver or kidney disorders or those taking centrally acting drugs or alcohol beverages.

Spill/Leak Procedures

Absorb on inert material and/or flush with water. Dispose of properly.

Exposure Control/Protective Equipment

Use in a well ventilated area. Wear goggles or glasses to avoid eye contact. An eye wash station should be available. Wash hands and arms thoroughly after handling. Wear alcohol impermeable gloves to protect sensitive skin.





Quality Microbiological, Serological and Immunological Reagents

Environmental

Disposal: Material should be disposed of in accordance with applicable federal, state and local OSHA regulations.

First Aid

Inhalation: Move exposed person to fresh air. Contact physician if difficulty breathing.

Skin Contact: Wash affected area with soap and water. Remove contaminated clothing. Seek medical attention if irritation occurs.

Eye Contact: Flush eyes with water for 15 minutes. Obtain medical assistance.

Ingestion: Induce vomiting if subject is fully conscious. Obtain medical assistance.

Additional Information

Storage: Store at room temperature (15-30°C, 59-86°F).

Precautions: Store away from heat or sources of ignition.

Labeling: Hazard: Warning! Flammable, protect from heat; keep bottles tightly capped. Wash promptly with water if eyes or skin are contacted.

Chemtrec Assistance, Washington, DC 1-800-424-9300
NC Poison Control Center: 1-800-672-1697.

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

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