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MATERIAL SAFETY DATA SHEET

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IDENTIFICATION

PRODUCT: SAS™ Sickle Cell

DESCRIPTION: A test for the qualitative determination of Hemoglobin S (Hb-S) in Blood.

INGREDIENTS WITH HAZARD POTENTIAL

<u>INGREDIENT(S)</u>	<u>C.A.S. NO.</u>
Sodium Hydrosulfite	7775-14-6
Saponin	74499-23-3
Urea	57-13-6
Sodium Azide (preservative)	26628-22-8

PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT: not applicable.

SPECIFIC GRAVITY: not applicable.

VAPOR PRESSURE: not applicable.

SOLUBILITY: not applicable.

APPEARANCE: Clear liquid. Refer to package insert for Sickle Cell Buffer and Urea. White powder for Sodium Hydrosulfite.

FIRE AND EXPLOSION HAZARD DATA

No fire or explosion hazard

EXTINGUISHING METHOD: use standard fire fighting procedures depending on source of surrounding fire.

REACTIVITY

INCOMPATIBILITIES: the reagents in this test kit contain sodium azide with may react with lead or copper plumbing to form highly explosive metal azides.

DECOMPOSITION: Product is stable. Poisonous gas is produced in fire.

HEALTH EFFECTS

HARMFUL IF SWALLOWED OR INHALED. MAY CAUSE IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT.

POTENTIAL HEALTH EFFECTS:

INHALATION: Causes irritation to the respiratory tract. Symptoms may include coughing, shortness or breath. May be absorbed in the bloodstream with symptoms similar to ingestion.

SKIN CONTACT: Causes irritation to skin. Symptoms include redness, itching and pain.

EYE CONTACT: Causes irritation, redness and pain.

INGESTION: Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea. May also cause headache, confusion and electrolyte depletion. FOR SAPONIN: Moderately toxic by ingestion. Acts as a powerful hemolytic when injected into the blood stream, dissolving red corpuscles even at extreme dilutions.

FIRST AID

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SKIN CONTACT: Immediately flush skin with plenty of water for at least 15 minutes. If necessary, remove contaminated shoes and clothing. Wash or clean clothing and shoes thoroughly before reuse. Get medical attention if symptoms occur.

EYE CONTACT: Immediately flush skin with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

INGESTION: Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

POISON CONTROL CENTER: 1-800-962-1253

SPILL AND LEAK PROCEDURES

OCCUPATIONAL SPILL: contain spill and pick up in the most efficient manner.

VENTILATION

General ventilation is sufficient.

PROTECTIVE EQUIPMENT

RESPIRATORS: not normally required.

GENERAL: wear barrier gloves if skin contact is probable.

ENVIRONMENTAL

Place material in sealed containers and dispose of in accordance with applicable federal, state, and local regulations. Avoid disposing water material down drains. If this occurs, flush with a large volume of water to prevent azide buildup in copper or lead plumbing.

ADDITIONAL INFORMATION

Follow recommended storage and good laboratory procedures. Read the package insert. Wash with soap and water after use and before eating or smoking.

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