

# ASI

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## MATERIAL SAFETY DATA SHEET

MSDS #NC950010 Revised March 2006

NFPA/HMIS Hazard Rating: Health: 2  
Fire: 3  
Reactivity: 0

SECTION I: IDENTIFICATION OF PRODUCT	
PRODUCT NAME <b>VDRL ANTIGEN KIT</b>	CATALOG NO. 950010 10 ml Test Kit
PRODUCT DESCRIPTION The ASI VDRL Antigen Test is an <i>in vitro</i> nontreponemal flocculation test for the qualitative and semiquantitative detection of reagin antibodies as a screening test for syphilis.	
SECTION II: HAZARDOUS INGREDIENTS	
REAGENTS CONTAINED IN KIT	COMPOSITION
VDRL Antigen Reagent--Ethyl alcohol 99%, cholesterol 0.9%, lecithin 0.20 to 0.22%, and cardiolipin 0.03%.	
VDRL Buffered Saline Reagent--Phosphate buffered saline, with 0.05% formaldehyde as preservative. No hazardous ingredient in concentration greater than 1%.	
SECTION III: PHYSICAL AND CHEMICAL CHARACTERISTICS	
Chemical Family:	Alcohol
CAS Number:	64-17-5
Fire and Explosion Hazards:	Flammable; Keep away from sources of ignition. No smoking. Vapor may travel considerable distance to source of ignition. Flashpoint: 60E F., 15.5E C.; LEL is 3.3, UEL is 19
Reactivity:	Product is stable and has no significant decomposition or polymerization hazard.
Incompatibilities:	Oxidizing agents, peroxides, acids, alkali metals and ammonia.
Toxicity and Carcinogenicity:	OSHA permissible exposure limit, 8 hr. TWA is 1000 ppm (1900 mg/m <sup>3</sup> ); LDLO oral-human is 1400 mg/kg; Tumorigenic by RTECS criteria; IARC inadequate evidence. Exposure has been linked to reproductive disorders and tumor formation in laboratory animals; May cause birth defects. Target organs are nerves and liver.

**SECTION IV: HEALTH HAZARDS AND HANDLING PRECAUTIONS**

## PRIMARY ROUTES OF ENTRY

## PRECAUTIONS

- Ingestion: May be harmful if swallowed. Do not pipet by mouth.
- Skin: Frequent or prolonged contact causes irritation. Wear chemical resistant gloves and appropriate outer protective garment such as a lab coat or gown.
- Inhalation: Causes irritation. Do not breathe mist. If ventilation controls are inadequate, wear a suitable NIOSH approved respirator.
- Eyes: Causes severe irritation. Avoid contact with eyes. Wear safety glasses or goggles.

**SECTION V: EMERGENCY AND FIRST AID PROCEDURES**

- Ingestion: If conscious, wash out mouth with water. Call a physician.
- Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing. Call a physician.
- Inhalation: Remove from source to fresh air. If breathing becomes difficult, administer oxygen and call a physician.
- Eye Contact: Flush with large amounts of water or sterile eye wash. Use fingers to separate the eyelids for effective flushing. Call a physician.

**SECTION VI: SPILL/LEAK PROCEDURES**

Eliminate all sources of ignition. Wear all appropriate protective equipment described in Section IV and wipe up the spill with absorbent material or a damp sponge or mop. Rinse down drain with plenty of water. Ventilate the area.

The information provided in this Material Data Safety Sheet has been compiled from our experience and data presented in various technical publications. It is believed to be correct, but it is the user's responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary. ASI shall not be held liable for any damage resulting from handling or from contact with the product described in this MSDS. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The users have the responsibility to contact the company to make sure that the MSDS they have contains the latest information (revision) available.