

# SAFETY DATA SHEET

Revision Date: January 2024

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## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	ASI VDRL Antigen Test
Product number:	950010 10 ml Test Kit
Brand:	ASI
Company:	Arlington Scientific Inc. 1840 N Technology Drive Springville, UT 84663 USA
Telephone:	(801) 489-8911
Fax:	(801) 489-5552
Emergency phone #:	(801) 489-8911

## 2. HAZARDS IDENTIFICATION

<b>Emergency overview:</b>	HMIS and NFPA ratings: Health = 2; Flammability = 3
<b>OSHA hazards:</b>	Flammable liquid.....small actual volume of <10 ml
Flammable liquid:	Alcohol, highly flammable. Keep away from heat/sparks/open flames and hot surfaces
Target organ effect:	Irritant to nerves , liver and heart
Harmful by ingestion:	Do not eat or drink, or in the area where human source material is handled. Do not pipet by mouth.
Harmful by skin absorption:	Wear gloves and especially cover any cuts, abrasions, or skin lesions. Wear outer protective garment such as a lab coat or gown.
Irritant:	May cause irritation.
<b>Target organs:</b>	Liver, heart, nerves
<b>Potential health effects:</b>	
Inhalation:	May cause irritation
Skin:	Wash thoroughly with soap and water. Remove contaminated clothing. Call a physician.
Eyes:	Flush with large amounts of water or sterile eye wash. Call a physician.
Ingestion:	May be harmful if swallowed. If conscious, wash out mouth with water. Call a physician.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula:	Reagents contained in kit: 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%.
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## 4. FIRST AID MEASURES

<b>General Advice:</b>	Get medical attention if symptoms occur.
If inhaled:	Provide fresh air, warmth, and rest, preferably in a comfortable upright sitting position. Get medical attention if symptoms persist.
In case of skin contact:	Wash contact area with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.
In case of eye contact:	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.
If swallowed:	Call physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.

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## 5. FIRE-FIGHTING MEASURES

Flammable properties:	Flammable.
Suitable extinguishing media:	For small fires, use media such as alcohol foam, dry chemical, or carbon dioxide.
Special protective equipment: for Fire-Fighters	None for small quantities.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Contact local authorities in case of spillage to drain / aquatic environment. Use personnel protective equipment.
Environmental precautions:	Avoid release to the environment.
Methods for cleaning up:	Small spill and environmental surface: Clean-up with water moistened cloth or mop. After material has been cleaned-up and removed, wash the spilled area site with a disinfectant cleaner. Large spills or spills posing risk to environment: All equipment used when handling the product must be grounded. Eliminate sources of ignition. Absorb spillage with suitable absorbent material. Prevent runoff from entering drains, sewers, or streams.

## 7. HANDLING AND STORAGE

Handling	Ensure adequate ventilation and fresh air supply in HVAC. Keep tightly closed to prevent evaporation. All equipment must be clean and dry before use. Following use clean all equipment with water, then alcohol, then acetone in this order.
Storage	Store at room temperature (15 -30° C). The VDRL Antigen should be protected from light.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal precautions	Typical laboratory coat or gown and standard lab eye protection
Respiratory protection	None required
Hand protection	Surgical gloves
Eye protection	Standard laboratory eye ware
Skin and body protection	Typical laboratory coat or gown
Hygiene measures	No special measures required
Respiratory protection	Wear surgical mask if indicated by local procedures

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid.
Form	Liquid
Color	Clear
Odor	Alcohol odor
Safety data	Incompatible with oxidizing agents, peroxides, acids, alkali metals and ammonia.

## 10. STABILITY AND REACTIVITY

Storage stability	Product is stable under normal temperature conditions and recommended use.
Conditions to avoid	Heat.
Materials to avoid	None
Hazardous decomposition products	Stable, however, may decompose if heated.
Hazardous reactions	None

## 11. TOXICOLOGICAL INFORMATION

Potential health effects	
Inhalation	Causes irritation. Do not breathe mist. If ventilation controls are inadequate wear a suitable NIOSH approved respirator.

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Skin	Frequent or prolonged contact causes irritation. Wear lab coat or gown.
Eyes	Causes severe irritation. Avoid contact with eyes. Wear safety glasses.
Ingestion	May be harmful if swallowed.
Target organs	Liver, heart, and nerve tissue

12. ECOLOGICAL INFORMATION	
Elimination information	No ecological effects currently identified.

13. DISPOSAL CONSIDERATIONS	
Product	Flammable. Keep away from ignition sources.

14. TRANSPORTATION INFORMATION	
	<p><b>DOT (US)</b></p> <p>UN Number: UN 1170 UN Proper Shipping Name: Ethanol Solutions Transport Hazard Class(es) Class: 3 Label(s): 3 Packing Group: II Marine Pollutant: No Special Precautions for user: This package conforms to 49 CFR 173.4</p> <p><b>IATA</b></p> <p>UN Number: UN 1170 Proper Shipping Name: Ethanol Solutions Transport Hazard Class(es): Class: 3 Subsidiary Risk: 3 Packing Group: II Environmental Hazards Marine Pollutant: No Special Precautions for User: EQ</p>

15. REGULATORY INFORMATION	
	CLIA, Moderately complex

16. OTHER	
	To the best of our knowledge, the information provided in this Safety Data Sheet is accurate. ASI does not assume any liability for the accuracy or completeness of the information. Final suitability of a material is the responsibility of the user. All materials may present unknown hazards and should always be used with caution. Although hazards are described in this Safety Data Sheet, ASI does not guarantee that these issues are the only hazards that exist.