ALFA WASSERMANN
Diagnostic Technologies, LLC

SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product name	Bile Acids Reagent
Catalog number	VET101
Product use	For the quantitative determination of bile acids concentration in serum. **For veterinary use only.**
Company name	Alfa Wassermann Diagnostic Technologies, LLC
Company address	4 Henderson Drive West Caldwell, New Jersey 07006
Country	USA
Telephone number	1-800-220-4488
Fax number	1-973-276-0383
Email	info@alfawassermannus.com
Website	www.AWDT.us
Emergency telephone number	Toll Free: 1-866-419-ALFA (2532)

SECTION 2 – HAZARDS IDENTIFICATION

Hazard classification	This product is not considered hazardous under 29 CFR 1910.1200.
GHS label elements	Not applicable.
Signal word	Not applicable.
General hazard	Not applicable.
Potential health effects	
Routes of exposure	Eye contact. Skin contact. Inhalation. Ingestion.
Other hazards	
Eyes	Produces irritation, tearing, and burning pain. May cause transient corneal injury.
Skin	May cause irritation with burning pain, itching, and redness. Prolonged contact may cause injury especially if the skin is abraded. Skin contact may cause an allergic skin reaction (sensitization) in a small proportion of individuals.
Inhalation	Not expected unless heated or misted.
Ingestion	Causes gastrointestinal irritation with nausea, vomiting, and diarrhea.
Chronic effects	May cause liver and kidney damage. Repeated exposure may cause skin necrosis, ulceration of the skin, and/or allergic dermatitis.

SECTION 3 – COMPOSITION/ INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS Number	%
Bile Acids Enzyme Reagent		
Triethanolamine	102-71-6	0.1

SECTION 4 – FIRST AID MEASURES	
Skin contact	Remove contaminated clothing and wash with soap and plenty of water. Seek medical attention.
Eye contact	Immediately flush with plenty of water or eye wash solution for up to ten minutes. Seek medical attention.
Inhalation	Remove victim to fresh air. Seek medical attention.
Ingestion	Wash out mouth thoroughly with water. Seek medical attention.

SECTION 5 – FIRE-FIGHTING MEASURES	
Flammable	No.
Hazardous combustion products	Not applicable.
Extinguishing media	Extinguish with water spray, carbon dioxide, dry chemical or material appropriate for the surrounding fire.
Protection of firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Specific hazards arising from the chemical	Not applicable.
Firefighting instructions	Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6 – ACCIDENTAL RELEASE MEASURES	
Personal precautions	Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protecting clothing. Ensure adequate ventilation and treat material as you would hazardous materials.
Environmental precautions	Do not allow to enter drains, sewers or watercourses.
Methods for containment and cleaning up	Absorb spill with vermiculite or other inert material. Place in suitable container for prompt disposal. Label the container as potentially hazardous. Spill areas can be decontaminated with 0.5% sodium hypochlorite, e.g., a fresh 1:10 dilution of common household bleach. Dispose of waste in accordance with all applicable federal, state, local and provincial environmental regulations.

SECTION 7 – HANDLING AND STORAGE	
Handling	Wear safety glasses, disposable gloves and protective clothing. Wash thoroughly after handling. Handle and open container with care.
Storage	Store in a cool, dry, well ventilated area away from incompatible substances and protected from moisture.

SECTION 8 – EXPOSURE CONTROL/ PERSONAL PROTECTION

Exposure limits

Component	Type	Value
Bile Acids Enzyme Reagent		
Triethanolamine (CAS 102-71-6)	ACGIH TLV: TWA	5 mg/m^3

Personal protective equipment ☑ Gloves ❒ Respirator ☑ Eye ❒ Footwear ☑ Clothing

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid.
Color	Colorless to pale yellow.
Odor	Ammonia-like, weak odor.
pH value	10.5
Boiling point (°C)	335°C
Melting point (°C)	21°C
Flash point	179°C
Ignition temperature	315°C
Vapor pressure	3.59E-006 mmHg at 25°C.
Vapor density	Not available.
Specific gravity	1.125
Solubility in water	Soluble.

SECTION 10 – STABILITY AND REACTIVITY

Chemical stability	Stable under normal temperatures and pressures. Darkens on exposure to light and air. Hygroscopic which means it absorbs moisture or water from the air.
Incompatible materials	Strong oxidizing agents, strong acids, copper and copper alloys.
Hazardous decomposition products	Nitrogen oxides, carbon monoxide and carbon dioxides.
Conditions to avoid	Light, moisture, exposure to air and excess heat.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicological data

Component	Test Results
Bile Acids Enzyme Reagent	
Triethanolamine (CAS 102-71-6)	Draize test, rabbit, eye: 20 mg severe
LD50/LC50	Draize test, rabbit, eye: 10 mg mild
	Draize test, rabbit, skin: 560 mg/24H mild
	Oral, mouse: LD50=5846 mg/kg
	Oral, rabbit: LD50=2200 mg/kg
	Oral, rat: LD50=4920 µL/kg
	Skin, rabbit: LD50= >20 mL/kg
	Skin, rat: LD50= >16 mL/kg

Carcinogenicity Triethanolamine - IRAC: Group 3 (not classifiable).

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity **Bile Acids Enzyme Reagent:** Triethanolamine
Fish: Fathead Minnow: 5600 mg/L; 96H; LC50

SECTION 13 – DISPOSAL CONSIDERATIONS	
Waste disposal	Contaminated instruments and surfaces should be disinfected in accordance with your employer's chemical-specific and universal/ standard precautions. This preparation contains a small amount of sodium azide, which can react with copper, lead, brass or solder in plumbing systems and form potentially explosive metal azides. If preparation enters drain, flush with a large volume of water to prevent azide build-up. Dispose in accordance with all applicable regulations.

SECTION 14 – TRANSPORT INFORMATION			
DOT	Not regulated.	**IMDG**	Not regulated.
IATA	Not regulated.	**TDG**	Not regulated.

SECTION 15 – REGULATORY INFORMATION	
US federal regulations	TSCA CAS#102-71-6 is listed in the TSCA inventory.
Hazard symbol	None required.
Warnings	Avoid contact with skin and eyes.

SECTION 16 – OTHER INFORMATION	
Supplier's notes	The safety data sheet has been complied, controlled and approved in accordance with the regulations in force. It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions. We reserve the right to revise the Safety Data Sheet periodically as new information becomes available.
Recommended restrictions on use	For in vitro diagnostic use only.
Disclaimer of expressed and implied warranties	Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representation as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purposes.
Preparation information	P/N 701197-141 Rev A 7/15

END OF SDS