


**SAFETY DATA SHEET**

**SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION**

Product name	Alkaline Phosphatase Reagent
Catalog number	SA2002
Product use	For the quantitative determination of alkaline phosphatase activity in serum and lithium heparin plasma.
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**

<b>Hazard classification</b>	This product is not considered hazardous under 29 CFR 1910.1200.
<b>GHS label elements</b>	
<b>Signal word</b>	Toxic
<b>General hazard</b>	Not applicable.
<b>Potential health effects</b>	
<b>Routes of exposure</b>	Inhalation. Ingestion. Skin contact. Eye contact. Skin absorption.
<b>Other hazards</b>	
<b>Eyes</b>	May cause irritation.
<b>Skin</b>	May cause irritation.
<b>Inhalation</b>	May cause irritation to mucous membranes and upper respiratory tract.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Chronic effects</b>	No data available.

**SECTION 3 – COMPOSITION/ INFORMATION ON INGREDIENTS**

Hazardous Ingredients	CAS Number	%
<b>ALP Buffer</b>	The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.	
<b>ALP Substrate</b>		
Sodium Azide	26628-22-8	0.095
Chloramphenicol	56-75-7	0.06

**SECTION 4 – FIRST AID MEASURES**

<b>Skin contact</b>	Remove contaminated clothing and wash with soap and plenty of water. Seek medical attention.
<b>Eye contact</b>	Immediately flush with plenty of water or eye wash solution for up to ten minutes. Seek medical attention.
<b>Inhalation</b>	Remove victim to fresh air. Seek medical attention.
<b>Ingestion</b>	Wash out mouth thoroughly with water. Seek medical attention.

**SECTION 5 – FIRE-FIGHTING MEASURES**

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

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions</b>	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.
<b>Environmental precautions</b>	Do not allow to enter drains, sewers or watercourses.
<b>Methods for containment and cleaning up</b>	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**

<b>Handling</b>	Wear safety glasses, disposable gloves and protective clothing. Wash thoroughly after handling. Handle and open container with care.
<b>Storage</b>	Store at 2-8°C.

**SECTION 8 – EXPOSURE CONTROL/ PERSONAL PROTECTION**

<b>Exposure limits</b>	No exposure limits noted for the ingredient(s).
<b>Personal protective equipment</b>	<input checked="" type="checkbox"/> Gloves <input type="checkbox"/> Respirator <input checked="" type="checkbox"/> Eye <input type="checkbox"/> Footwear <input checked="" type="checkbox"/> Clothing <input type="checkbox"/> Other

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state</b>	Liquid
<b>Color</b>	<b>ALP Buffer:</b> Clear and colorless. <b>ALP Substrate:</b> Slight yellow in color.
<b>Odor</b>	Not available.
<b>pH value</b>	10.45
<b>Boiling point (°C)</b>	Not available.
<b>Melting point (°C)</b>	Not available.
<b>Flash point</b>	Not available.
<b>Ignition temperature</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	Not available.
<b>Solubility in water</b>	Soluble.

**SECTION 10 – STABILITY AND REACTIVITY**

<b>Chemical stability</b>	Stable under normal conditions.
<b>Incompatible materials</b>	Caution: contains sodium azide which when it contact with heavy metals may form explosive metal azides.
<b>Hazardous decomposition products</b>	Not available.
<b>Conditions to avoid</b>	Not available.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

<b>Acute effects</b>	<b>Skin contact:</b> May cause irritation. <b>Eye contact:</b> May cause irritation. <b>Ingestion:</b> May be harmful if swallowed. <b>Inhalation:</b> May cause irritation to mucous membranes and upper respiratory tract.
<b>Chronic effects</b>	No data available.
<b>Carcinogenicity</b>	No data available.

**SECTION 12 – ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
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**SECTION 13 – DISPOSAL CONSIDERATIONS**

<b>Waste disposal</b>	Contaminated instruments and surfaces should be disinfected in accordance with your employer's chemical-specific and universal/ standard precautions.  Dispose in accordance with all applicable regulations.
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**SECTION 14 – TRANSPORT INFORMATION**

<b>DOT</b>	Not regulated as a hazardous material by DOT.	<b>IMDG</b>	Not regulated
<b>IATA</b>	Not regulated	<b>TDG</b>	Not regulated

**SECTION 15 – REGULATORY INFORMATION**

<b>US federal regulations</b>	This product is not hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.
<b>Hazard symbol</b>	Caution.
<b>Warnings</b>	Toxic.

**SECTION 16 – OTHER INFORMATION**

<b>Supplier's notes</b>	The safety data sheet has been compiled, 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.
<b>Recommended restrictions on use</b>	For in vitro diagnostic use only.
<b>Disclaimer of expressed and implied warranties</b>	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.
<b>Preparation information</b>	P/N 701197-93 Rev B 7/14

**END OF SDS**