ALFA WASSERMANN
Diagnostic Technologies, LLC

SAFETY DATA SHEET

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product name	LDL Cholesterol Calibrator
Catalog number	S2-71
Product use	For use in the calibration of the LDL Cholesterol assay 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

Hazard classification This product is considered hazardous under 29 CFR 1910.1200.

GHS label elements



Signal word Biohazard.

General hazard Caution.

Potential health effects

Routes of exposure Skin contact. Eye contact.

Other hazards

Eyes May cause irritation. Exposed individuals may experience eye tearing, redness and discomfort.

Skin May cause irritation. Sodium azide may be absorbed through the skin and result in systemic effects. Prolonged contact may cause dryness of the skin.

Inhalation Inhalation of dusts may produce respiratory irritation.

Ingestion Ingestion of sodium azide may cause nausea, diarrhea, vomiting, headache, slight lowering of blood pressure, abdominal pain and a general feeling of apprehension and unwellness.

Chronic effects No data available.

Potential environmental effects Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 3 – COMPOSITION/ INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS Number	%
Sucrose	57-50-1	90
Sodium azide	26628-22-8	0.3

The human serum albumin in this mixture was tested by the U.S. Food and Drug Administration – approved methods and found to be negative for the presence of hepatitis B virus surface antigen (HBsAg), human immunodeficiency virus (HIV) 1 & 2 and hepatitis C virus (HCV). However, because no method can provide complete assurance that infectious agents are absent, this product should be handled as a potentially biohazardous mixture in accordance with universal/ standard precautions.

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	Material may burn when exposed to sufficient heat.
Hazardous combustion products	Fire will generate toxic and irritating gases. Carbon monoxide and carbon dioxide. Nitrogen oxides.
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	Fire will generate toxic and irritating gases.
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. This mixture 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.
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 at 2-8°C.

SECTION 8 – EXPOSURE CONTROL/ PERSONAL PROTECTION

Exposure limits

Components	Type	Value
Sodium azide (CAS 26628-22-8)	ACGIH TLV: Ceiling	0.29 mg/m^3
Sucrose (CAS 57-50-1)	ACGIH TLV: TWA	0.11 ppm 10 mg/m^3
	OSHA: PEL	5 mg/m^3 15 mg/m^3

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

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid pellet.
Color	Pale yellow.
Odor	Odorless.
pH value	Not available.
Boiling point (°C)	Not available.
Melting point (°C)	Not available.
Flash point	Not available.
Ignition temperature	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity	Not available.
Solubility in water	Soluble.

SECTION 10 – STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions.
Incompatible materials	Strong oxidizing agents. Acids. Metals.
Hazardous decomposition products	Carbon monoxide, carbon dioxide and nitrogen oxides.
Conditions to avoid	None under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicological data

Components	Test Results
Sodium azide (CAS 26628-22-8)	Acute Dermal LD50 Rabbit: 20mg/kg Acute Oral LD50 Rat: 27 mg/kg
Sucrose (CAS 57-50-1)	Acute Oral LD50 Rat: 29700 mg/kg

Acute effects	May cause discomfort if swallowed.
Chronic effects	No data available.
Carcinogenicity	Not classifiable as a human carcinogen.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicological data

Component	**Test Results**
Sodium azide (CAS 26628-22-8)	Aquatic Crustacea EC50 Water flea (Daphnia pulex): 2.8-6.2 mg/l, 48 hours Aquatic Fish LC50 Bluegill (Lepomis macrochirus): 0.68 mg/l, 96 hours

Ecotoxicity Harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

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.

Dispose in accordance with all applicable regulations.

SECTION 14 – TRANSPORT INFORMATION

DOT	Not regulated as a hazardous material by DOT.	**IMDG**	Not regulated.
IATA	Not regulated.	**TDG**	Not regulated.

SECTION 15 – REGULATORY INFORMATION

US federal regulations This product is a "Hazardous Chemical" as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Hazard symbol Biohazard.

Warnings Caution.

SECTION 16 – OTHER INFORMATION

Supplier's notes This 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.

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END OF SDS