

MATERIAL SAFETY DATA SHEET

I. PRODUCT AND COMPANY IDENTIFICATION		
Trade Name	BOVINE SERUM ALBUMIN (BSA)	
Catalogue Number	922 001	
	922 002	
	924 001	
	924 002	
Description/Intended use	Spectrum Diagnostics Bovine Serum Albumin is intended for the in-vitro	
	use	
Name of the Company with	Egyptian Company for Biotechnology (S.A.E)	
Address and Tel No.	Obour city industrial area. Block 20008 pieces 19 A. Cairo. Egypt.	
	Phone: +2 02 4489 2248 Fax: +2 02 4489 2247	
	www.spectrum-diagnostics.com	
	E-mail:info@spectrum-diagnostics.com	

II. COMPOSITION/HAZARDOUS COMPONENTS			
Item:	Percent	CAS No.	Threshold Limit Value(units)
Reagent	0.1% Sodium Azide	26628-22-8	OSHA PEL 0.3 mg/cubic meter CL

III. HAZARD IDENTIFICATION		
Primary routes of entry	Inhalation, ingestion, skin and/or eye contact	
Inhalation	Inhalation of vapours, mists or sprays of these components may irritate	
	the nose, throat and lungs.	
Ingestion	Ingestion of this product especially in large quantities may cause gastric	
	distress. Symptoms may include nausea, vomitting or diarrhoea.	
Skin contact	Contact with skin may develop mild irritation. Sodium azide may enter	
	body through skin.	
Eye contact	Contact with eyes may develop mild irritation.	

IV. FIRST AID MEASURES		
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.	
Ingestion	Get medical attention if there has been ingestion of this product.	
Eye/Skin contact:	Immediately flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. Assure adequate flushing of the eyes by separating the eyelids with fingers.	

V. FIRE FIGHTING MEASURES		
Extinguishing media	Carbon dioxide, dry chemical powder or polymer foam.	
Firefighting procedures	Wear self contained breathing apparatus and protective clothing to	
	prevent contact with skin and eyes.	

VI. ACCIDENTAL RELEASE MEASURES

Use an absorbent material to contain or pick up the spilled solution. Place the spill residue in a container, seal label and hold for disposal. Use laboratory gloves, chemical resistant aprons, boots, and splash goggles for safety.

VII. HANDLING AND STORAGE

When used in accordance with the Principles of Good Laboratory Practice, Good Standards of Occupational Hygiene and the instructions stated in the product insert, these products are not considered to present a hazard to health. Store between 2 to 8° C. For In vitro Diagnostic use only. Not for medicinal use.



VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION		
Ventillation data	Local exhaust ventillation is generally preferred to control emmissions of	
	the contaminant at its source.	
Respiratory protection	Not required under normal use of this product.	
Other protective equipment	Wear appropriate gloves and body apparatus and masks to prevent skin and eye contact.	

IX. PHYSICAL AND CHEMICAL PROPERTIES		
Appearance	coloureless clear liquid	
Odour	None known	
Vapour density (sodium azide)	2.2	
Specific gravity (sodium azide)	1.850	
Solubility in water	Soluble	
Melting point	Not applicable	
Flash point	Not applicable	
Flammable limits (LEL & UEL)	Not applicable	

X. STABILITY AND REACTIVITY		
Materials to avoid	Strong bases, strong acids and water reactive materials	
Hazardous decomposition	Thermal decomposition may produce carbon monoxide and carbon	
products	dioxide	
Conditions to avoid	Avoid acidification of solution.	

XI. TOXICOLOGICAL INFORMATION		
Toxocity data	Sodium Azide (Undiluted): LD50 (rat and mouse, oral)=27mg/kg; LD50	
	(rabbit, skin)=20mg/kg.	
Organ effects	Eyes (redness), Central Nervous System(nausea/vomitting), cardiovascular systems(fall in blood pressure, change in heart rate),	
	Digestive(nausea/vomitting/diarrhoea).	
Carcinogenicity	No	

XII. ECOLOGICAL INFORMATION		
Environmental fate/stability,effect	Not applicable	
on plants, animals or aquatic life		

XIII. DISPOSAL CONSIDERATIONS		
Waste disposal method	Remains of samples, reagents and controls should be collected in a	
	recipient for this purpose and autoclaved for 1 hour at 121°C.	
Liquid disposal	Flush drains with excess water thoroughly after disposing of liquid.	

XIV. TRANSPORT INFORMATION	
Not regulated under transport regulations	

	XV. REGULATORY INFORMATION	
Not applicable		

XVI. OTHER INFORMATION	
Not applicable	

The above information is believed to be correct, but does not purpose to be all inclusive and should be used only as a guide. The manufacturer shall not be held responsible for any damage resulting from handling or use of the product.



XVII. Shipping instructions

UN Number: None allocated.

Proper Shipping Name: None allocated.

Dangerous Goods Class: None allocated.

Subsidiary risk: None allocated.

Packing Group: None allocated.

Hazchem Code: None allocated.

Road and Rail Transport:

Not classified as a Dangerous Good according to the United Nations Recommendations for the Transport of Dangerous Goods and Globally Harmonized System for the Classification and Labeling of Chemicals.

Air Transport:

Not classified as a Dangerous Good according to the International Civil Aviation Organization (ICAO) and International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Marine Transport:

Not classified as a Dangerous Good according to the International Maritime Organization Rules (Maritime Dangerous Goods Code - IMDG Code) for transport by sea.

XVIII. Approved disposal agent

Refer to appropriate authority in your State. Normally suitable for disposal by approved waste disposal agent.

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