

SDS
SPRAY DRIED BOVINE HEMOGLOBIN
FOOD PURPOSE

SECTION I			
PRODUCT INFORMATION & COMPANY IDENTIFICATION			
COMERCIAL NAME		PROVITA	
COMMON NAME - GENERIC		SPRAY DRIED BOVINE HEMOGLOBIN	
COMPANY NAME		1- PROTEÍNAS NATURALES, S.A. 2- SCANBIOTEK S.R.L	
ADDRESS		1- Km 27carretera panamericana norte, Nicaragua 2- Km 37 carret. al norte ingreso a juan latino-SANTA CRUZ- BOLIVIA	
PHONE #	1- (+505) 7517 1200 2- (+591) 3707550	FAX #	--

SECTION II		
COMPOSITION AND HAZARDOUS INGREDIENTS		
COMMON OR GENERIC NAME OF THE HAZARDOUS COMPONENT (attach sheet if necessary)	%	CAS Nmbr.
it is not toxic	N/A	N/A
COMPOSITION		
BOVINE HEMOGLOBIN	100 %	

SECTION III	
FIRST AID MEASURES	
AFTER	MEASURE
INHALATION	Supply fresh air
SWALLOWING	Rinse mouth with water. Do not induce vomiting.
EYE CONTACT	Rinse eyes cautiously with clean running water for several minutes.
SKIN CONTACT	None

SECTION IV	
FIRST TIME ACUTE EXPOSURE	
EYE CONTACT	It may cause slight irritation if exposed to high concentrations of dust without proper protection
SKIN CONTACT	It does not cause skin irritation.
INHALATION	It may cause slight respiratory irritation and coughing, but only if high concentrations of dust are inhaled without proper respiratory protection
SWALLOWING	It is not toxic
RECOMMENDED ANTIDOTE	There is not a specific antidote. Treat the patient according to symptoms.
MEDICAL INFORMATION	Bovine Hemoglobin it is not toxic.

SECTION V	
FIRE FIGHTING MEASURES	
FLASH POINT	N/A
FLAMMABLE LIMIT (IF ANY)	None
EXTINGUISHING AGENTS	None
SPECIAL PROTECTIVE EQUIPMENT	None
HAZARDOUS COMBUSTION PRODUCTS	N/A
SECTION VI	
MEASURES IN CASE OF SPILLS OR LEAKS	
Bovine Hemoglobin must be collected with a broom and shovel. Collect material using appropriate industrial cleaning equipment while minimizing dust generation	
SECTION VII	
HANDLING AND STORAGE	
STORAGE TEMPERATURE	Store in a cool, dry place
STORAGE CONDITIONS	Store in a cool, dry place and protected from moisture and direct sunlight . Stow on pallets at a minimum height of 15 cm from the floor, 50 cm from the wall to avoid moisture and breakage.
CONTAINER HANDLING	Keep the product in its original container, labeled and tightly closed.
EFFECTS OF EXPOSURE TO SUNLIGHT, HEAT, HUMIDITY ATMOSPHERES, AMONG OTHERS.	Keep in a dry place at room temperature. Decomposition temperature, heat of vaporization and corrosivity do not apply.
SECTION VIII	
EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT	
VENTILATION CONDITIONS	Suitable for the place of use
RESPIRATORY PROTECTIVE EQUIPMENT	Mask
EYE PROTECTION EQUIPMENT	Wear safety glasses
SKIN PROTECTIVE EQUIPMENT	None
EXPOSURE CONTROL DATA (TLV, PEL, STEL)	None

SECTION IX	
PHYSICAL AND CHEMICAL PROPERTIES	
APPEARANCE AND ODOR	Characteristic odor, wine red powder
SPECIFIC GRAVITY	N/A
SOLUBILITY IN WATER AND OTHER SOLVENTS	>90 %
MELTING POINT	N/A
BOILING POINT	N/A
pH	7-8
STATE OF AGGREGATION TO 25°C AND 1 ATM	N/A
SECTION X	
STABILITY AND REACTIVITY	
STABILITY	Stable product under normal storage conditions
INCOMPATIBILITY	N/A
RISKS OF POLYMERIZATION	Does not occur.
HAZARDOUS DECOMPOSITION PRODUCTS	N/A
SECTION XI	
TOXICOLOGY INFORMATION	
ORAL MEAN LETHAL DOSE or DERMAL (LD50)	Not available. Non-Toxic product
AVERAGE LETHAL DOSE PER INHALATION (LC50)	Not available. Non-Toxic product
SECTION XII	
EFFECTS ON THE ECOLOGY	
Biodegradable organic product. Large spills may increase biological oxygen demand in wastewater systems.	
SECTION XIII	
CONSIDERATIONS ON THE FINAL DISPOSAL OF THE PRODUCT	
It is a 100% organic and biodegradable product. It must be disposed of according to the current environmental legislation of the country. The packaging can be sent for recycling.	

SECTION XIV**TRANSPORT INFORMATION**

It does not present any restriction for its transport by air, sea or land. Transportation must guarantee hygiene and safety conditions.

SECTION XV**REGULATORY INFORMATION**

Product manufactured under applicable food safety and animal by-product regulations.

SECTION XVI**OTHER INFORMATION**

Bovine Hemoglobin is a natural product obtained through the fractionation of bovine blood collected and processed under strict hygienic and sanitary standards. The hemoglobin is subjected to a controlled spray-drying process that preserves the biofunctional properties, stability, and nutritional quality of the proteins.