

**SDS**  
**SPRAY DRIED BOVINE HEMOGLOBIN**  
**FEED PURPOSE**

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

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

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

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

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

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