

Version 3.0	Revision Date 09.01.2025	MATERIAL SAFETY DATA SHEET (MSDS)	Date of last issue: 12.04.2023 Date of first issue: 23.02.2023
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1- IDENTIFICATION: BOTUSEMEN

Catalog number: BOT.40.0001/ BOT.30.0001 / BOT.20.0001/ BOT.20.0030/ BOT.40.0006/ BOTU0047/ BOTU0010

Product application: Extender for transport of equine cooled semen.

Product exempted from registration at the Ministry of Agriculture, Livestock, and Supply (MAPA): Decree No. 5053, of April 22, 2004, Art. 44-XIII.

Company Name: BOTUPHARMA INDUSTRIA E COMERCIO DE PRODUTOS VETERINARIOS LTDA.

CNPJ: 11.195.056/0001-65/I.E.: 224.197.376.119

Address: Rua Coronel Fonseca, 2.111 – Jardim Bom Pastor – **Zip Code:** 18.603-495 – Botucatu/SP – Brasil.

Phone: +55 (14) 3112-9000

Emergency Phone: +55 (14) 3112-9001

E-mail: regulatorios@botupharma.com.br

2- HAZARDS IDENTIFICATION

Globally Harmonized System (GHS) Classification.

It is a non-hazardous substance or mixture.

Other Hazards - None.

Appropriate labeling elements



Pictograms:

Warning word: WARNING

3- COMPOSITION/INFORMATION ON INGREDIENTS

Physical Form: Powder.

Composition: Skim Milk Powder UHT Sterilized, Sugars, Amino Acids, Antioxidants, and Excipients.

Packing Characteristic: Sachet containing 8.5 g; 17 g.

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4- FIRST AID MEASURES

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, contact a TOXICOLOGICAL INFORMATION CENTER or a doctor. Take this MSDS.

Skin: Wash exposed skin with sufficient amount of water to remove material. In case of skin irritation: Get medical advice. Take this MSDS.

Eyes: Rinse thoroughly with water for several minutes. In case of contact lenses, remove them if it is easy. Continue rinsing. If eye irritation persists: Get medical advice. Take this MSDS.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Wash the mouth of victim with plenty of water. If you feel unwell, contact a TOXICOLOGICAL INFORMATION CENTER or a doctor. Take this MSDS.

Most important symptoms and effects, both acute and delayed: Ingestion of high doses of the product may cause stomach discomfort with nausea, vomiting and diarrhea.

Notes to physician: Avoid contact with the product to help the victim. If necessary, the symptomatic treatment should include, above all, supportive measures such as correction of hydroelectrolytic, metabolic disorders, as well as respiratory assistance. In case of contact with skin do not rub the affected area.

5- FIRE FIGHTING MEASURES

Extinguishing media: The product is not considered a fire hazard.

Special hazards arising from the substance or mixture: Oxides of carbon, Oxides of Nitrogen (NOx).

Advice for firefighters: Wear self-contained breathing apparatus for firefighting, if necessary.

Other information: No data available.

6- ACCIDENTAL RELEASE MEASURES

Personal precautions

For non-emergency staff: Preventively isolate sources of ignition. Do not smoke. Do not touch damaged containers or spilled material without wearing suitable clothing. Avoid contact with eyes and skin. Use personal protective equipment as described in section 8.

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For emergency staff: Use full PPE with side shields glasses, suitable protective gloves, safety boots, and safety clothing to protect the entire body.

Environmental precautions

Do not allow product to reach sewage system.

Methods and material for containment and cleaning up: Place material in suitable containers and remove to safe place.

Reference to other sections: For waste disposal see section 13.

7- HANDLING AND STORAGE

Appropriate technical measures for handling

Precautions for safe handling: Handle in an airy area or with general local exhaust ventilation. Avoid dust formation. Avoid product exposition. Avoid contact with incompatible materials. Use personal protective equipment as described in Section 8.

Hygiene measures: Wash hands and face carefully after handling and before eating, drinking, smoking or going to the bathroom. Contaminated clothing should be changed and washed prior to reuse. Remove contaminated clothing and protective equipment before going to food areas.

Safe storage conditions, including any incompatibility

Prevention of fire and explosion: The product is not expected to present a fire or explosion hazard.

Specific end use: No data available.

Suitable conditions: Keep in a dry place, protected from light and heat. Do not exceed the temperature of 86°F (30°C). After mixing the product, store it between 35.6 and 46.4°F (2 and 8°C) for a maximum of 3 days.

8- EXPOSURE CONTROLS AND PERSONAL PROTECTION

Biological indicators: Not established.

Personal protection measures

Control Parameters

Occupational exposure limits: We are not aware of any national exposure limits.

Exposure Control

Appropriate technical controls: General practice of industrial hygiene.

Eye/face protection: Glasses with side shields.

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Skin and body protection: Appropriate protective gloves, safety boots, and safety clothing to protect the entire body.

Respiratory protection: It is recommended the use of a respiratory protection mask and, where necessary, a filter against vapors and fogs.

Thermal hazards: It does not present thermal hazards.

9- PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, shape and color): Solid, white powder.

Odour and odour threshold: No data available.

pH: 6.8 – 7.2.

Osmolality (mOsm/kg): 340 - 380.

Melting point/freezing point: No data available.

Initial boiling point and boiling range: No data available.

Flash point: No data available.

Evaporation rate: No data available.

Flammability (solid, gas): No data available.

Upper/lower flammability or explosive limits: No data available.

Vapour pressure: No data available.

Vapour density: No data available.

Relative density: No data available.

Water solubility: No data available.

Partition coefficient: n-octanol/water: No data available.

Auto-ignition temperature: No data available.

Decomposition temperature: No data available.

Viscosity: No data available.

Other information: No data available.

10- STABILITY AND REACTIVITY

Stability and Reactivity: Product stable under normal conditions of temperature and pressure.

Possibility of hazardous reactions: No data available.

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11- TOXICOLOGICAL INFORMATION

Acute toxicity: No data available.

Local effects: No data available.

12- ECOLOGICAL INFORMATION

Environmental effects, behavior and impacts of the product

Avoid soil contamination.

Other effects: No further environmental effects are known for this product.

13- DISPOSAL CONSIDERATIONS

Recommended treatment and disposal methods applied to the product

Remainders of products: Keep product residues in their original packaging and properly closed. Disposal should be in accordance with the regulations for the product.

Used packaging: Do not reuse, puncture or otherwise throw fire in the empty containers. These may contain product residues and should be kept closed and shipped for appropriate disposal as set forth for the product.

Further information: Dispose of according to local regulations.

14- TRANSPORT INFORMATION

Terrestrial: Resolution No. 420 of February 12th, 2004 of the National Land Transport Agency (ANTT), approves the Supplementary Instructions to the Regulations of the Land Transport of Dangerous Goods and their modifications.

Waterway: DPC - Directory of Ports and Coasts (Transportation in Brazilian waters); Maritime Authority Standards (NORMAM) - NORMAM 01 / DPC: Ships used in navigation in the open sea; NORMAM 02/DPC: Vessels used in inland navigation; IMO - "International Maritime Organization"; International Maritime Dangerous Goods Code (IMDG Code).

Aerial: ANAC - National Civil Aviation Agency - Resolution n° 129 of December 8th, 2009; RBAC n° 175 - (Brazilian Civil Aviation Regulation) - Transport of Dangerous Goods in Civil Aircraft); IS n° 175-001 - Supplementary Instruction; ICAO - "International Civil Aviation Organization" - Doc 9284-NA / 905; IATA - "International Air Transport Association"; Dangerous Goods Regulation (DGR).

UN number: Not classified as dangerous for transport in the different manners.

15- REGULATORY INFORMATION

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Specific regulations for the chemical: Federal Decree No. 2.657, of July 3rd, 1998. Standard ABNT-NBR 14725: 2012. Law No. 12,305, of August 2nd, 2010 (National Solid Waste Policy). Decree n° 7404, of December 23th, 2010. Ordinance n° 229, of May 24th, 2011 - Alters Regulatory Norm n° 26.

16- OTHER INFORMATION

Important information, but not specifically described to the previous sections.

This MSDS has been prepared on the basis of current knowledge on the proper handling of the product and under normal conditions of use, according to the application specified on the package. All information contained herein and the results of product reviews are the responsibility of the manufacturer.