

IN CONFORMITY WITH THE REGULATION (CE) n.1907/2006 (REACH) e (UE) 2020/878

REV. 1/2023

SAFETY DATA SHEET

SESSION 1 - Identification of the substance or mixture and of the company / Business concern

- 1.1 **Product identifier:** BTS Plus - Short life extender.
- 1.2 **Relevant uses of the substance or mixture and improper uses:**
Short life extender for boar seminal plasma. Professional use.
- 1.3 **Information concerning the supplier of the safety data sheet:**

Supplier: Medi nova sas

Address: Via Beethoven, 2/A - 42122 Reggio Emilia, Italy

Contact: tel. +39 0522 926101 fax +39 0522 515137 www.medi-nova.it

Responsibility for drafting the data sheet: info@medi-nova.it

- 1.4 **Emergency telephone number:** call the nearest hospital.
-

SESSION 2 - Identification of hazards

The product is not classified as hazardous under the Regulation (EC) N. 1272/2008 [CPL].

- 2.1 **Classification of the mixture:** classification according to regulation (EC) N. 1272/2008 [CPL] none.
- 2.2 **Label elements:** none.
- 2.3 **Other hazards:** This product does not contain substances considered PBT or vPvB at levels of 0.1% or more.

Environment:

The mixture does not contain components considered to have endocrine disrupting properties according to Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Human health:

The mixture does not contain components considered to have endocrine-disrupting proper- ties according to Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

IN CONFORMITY WITH THE REGULATION (CE) n.1907/2006 (REACH) e (UE) 2020/878

REV. 1/2023

SESSION 3 - Composition/information on ingredients

3.1 Substances:

Substance name: Ethylenediaminetetraacetic Acid, 2Na

Brute formula: C10 H14 N2 Na2 O8 . 2 H2 O REACH n°: 01-2119486775-20 (for anhydrous form CAS n°: 6381-92-6

CE n°: 205-358-3

In accordance with Regulation (EC) N. 1272/2008 [CPL] annex I table 1.1

Hazard classes: Acute inhalation toxicity – Category 4 (H332)

Dusts and mists Specific target organ toxicity - (repeated exposure) Category 2 (H373 H332)

In accordance with Annex I Table 1.1 of Regulation (EC) No 1272/2008, the BTS PLUS mixture has a concentration range of hazardous substances >0.1%.

The unabridged text of risk phrases (R) and hazard statements (H) is given in point 16.

SESSION 4 - First aid measures

4.1 Description of first aid measures.

Ingestion: Do not induce vomiting; no liquids by mouth. Nothing may be administrated to unconscious victims. Seek medical assistance.

Contact with skin: wash with plenty of water and soap. Seek medical assistance in the event of skin rashes.

Contact with the eyes: wash with plenty of water for at least 10 minutes while holding the eye- lids fully open.

Inhalation: take the casualty outdoors, ventilate the room.

4.2 Principal symptoms and effects, both acute and delayed. n.s.

4.3 Indication of the possible need to seek medical attention immediately and for special treatments.

In case of accident or if you feel unwell, seek medical advice immediately (show the directions for use or safety data sheet if possible). Special treatments: none.

SESSION 5 - Firefighting measures

5.1 Extinguishing media.

Carbon dioxide, chemical powder, water spray, foam.

IN CONFORMITY WITH THE REGULATION (CE) n.1907/2006 (REACH) e (UE) 2020/878

REV. 1/2023

5.2 Special hazards deriving from the substance or mixture.

The combustion fumes contain oxides of carbon, nitrogen, sulphur and sodium.

5.3 Prescriptions for fire-fighters.

Wear protective apparel and use breathing apparatus.

SESSION 6 - Measures in case of accidental release

6.1 Persona/ precautions, protective devices, and emergency procedures.

Avoid creation of dust. Do not inhale dust.

6.2 Environmental precautions.

Do not spill the product on the ground or release it into water courses or drains.

Alert the authorities in the event of accidental release. Collect contaminates washing water and dispose of appropriately.

6.3 Methods and materials for clearing up spillage.

Collect the product using appropriate tools (brush, shovel). Store the collected material in suitable containers and dispose of it properly.

6.4 Reference to further sections.

See contents of sections 8 and 13.

SESSION 7 - Handling and storage

7.1 Safe handling precautions.

Ensure workplace in which dust is formed is sufficiently well ventilated. Avoid contact with skin and eyes. Open and handle containers with care.

7.2 Conditions for safe storage, including any incompatibilities.

In a cool, dry and well-ventilated place protected from direct sunlight, well clear of heat sources, in the original securely sealed containers.

7.3 Specific intended uses.

Diluter for boar seminal plasma. Semen extender for swine artificial insemination.

SESSION 8 - Exposure control / Personal Protection

8.1 Exposure controls

Precautionary measures:

Use personal protective equipment to protect the airways in the presence of insufficient ventilation or prolonged exposure. Handle the product in compliance with best hygiene and industrial practices.

Respiratory protection:

Wear a face mask filter - FFP1 compliant with EN 143.

Eye protection:

Spectacles with side shields compliant with EN146.

Skin protection:

Nitrile rubber gloves: minimum life of material/gloves: > 2h, gloves minimum thickness: 0.11 mm to EN374.

Check that gloves resist contact with product prior to use.

Hygiene measures:

Do not eat, drink or smoke during use.

The notes for section 8 are given in section 16.

SESSION 9 - Physical and chemical properties

9.1 Information on fundamental physical and chemical properties.

<u>Appearance:</u>	white powder
<u>Odour:</u>	characteristic
<u>Olfactory threshold:</u>	n.s.
<u>pH:</u>	6.7 - 7.4 in utilization concentration
<u>Melting point / freezing point:</u>	n.a.
<u>Initial boiling point and boiling range:</u>	n.a.
<u>Flash point:</u>	n.a.
<u>Evaporation rate:</u>	n.a.
<u>Flammability (solids, gases):</u>	n.a.
<u>Upper / lower flammability or Explosive limits:</u>	n.a.
<u>Vapor tension:</u>	n.a.
<u>Vapor density:</u>	n.a.
<u>Relative density:</u>	1.00 g/cm ³ (25°C).
<u>Solubility:</u>	completely soluble in water
<u>Decomposition point:</u>	n.s.
<u>Solidification temperature:</u>	n.a.
<u>N-octanol/water partition coefficient:</u>	n.s.
<u>Self-ignition temperature:</u>	n.s.
<u>Decomposition temperature:</u>	n.s.

IN CONFORMITY WITH THE REGULATION (CE) n.1907/2006 (REACH) e (UE) 2020/878

REV. 1/2023

<u>Viscosity:</u>	n.a.
<u>Explosive properties:</u>	n.s
<u>Oxidising properties:</u>	n.s

9.2 Other information	n.s
-----------------------	-----

SESSION 10 - Stability and reactivity

10.1 Reactivity:	stable at conditions of use.
10.2 Chemical stability:	stable at conditions of use.
10.3 Possibility of hazardous reactions:	no data available.
10.4 Conditions to avoid:	do not expose to humidity.
10.5 Incompatible materials:	strong oxidizing agents, strong acids.
10.6 Hazardous decomposition products:	no data available.

SESSION 11 - Toxicological information

11.1 Information on toxicological effects.

In order to evaluate the toxicological effects deriving from exposure to the preparation account should be taken of the concentration of its individual components.

Acute toxicity

EDTA disodium salt: LD₅₀ oral - rat: > 2,000 mg/kg. Skin, non-irritant (rabbit, OECD TG 404). Eyes, non-irritant (rabbit, OECD TG 405). No sensitizing effect on the skin and airways.

IN CONFORMITY WITH THE REGULATION (CE) n.1907/2006 (REACH) e (UE) 2020/878

REV. 1/2023

SESSION 12 - Ecological information

Use the product in accordance with best practices and do not release it into the environment. EDTA disodium salt: toxicity to fish LC₅₀ - Leuciscus idus (golden orfe): > 500 mg/l - 96 h. Toxicity to daphnia EC₅₀ - Daphnia - > 100 mg/l - 24 h. Toxicity to algae EC₅₀: 10 - 100 mg/l - 72 h. Biodegradability: 590 mg/g - COD.

12.1 Toxicity:	no data available.
12.2 Persistence and degradability:	no data available.
12.3 Bioaccumulation potential:	no data available.
12.4 Mobility in salt:	no data available.
12.5 Results of PBT and vPvB assessment:	no data available.
12.6 Other adverse effects:	no data available.

SESSION 13 - Disposal considerations

13.1 Waste treatment methods

Discard or recover in accordance with the requirements of statutory national legislation and local by-laws. Do not release the product or discard the packaging in the environment.

SESSION 14 - Transport information

14.1 UN number:	n.a
14.2 UN shipment name:	n.a
14.3 Transportation hazard classes:	n.a
14.4 Packaging group:	n.a
14.5 Hazards for the environment:	n.a
14.6 Special precautions for users:	n.a
14.7 Bulk transport pursuant to annex II of MARPOL 73/78 and IBC code:	n.a

IN CONFORMITY WITH THE REGULATION (CE) n.1907/2006 (REACH) e (UE) 2020/878

REV. 1/2023

SESSION 15 - Regulatory information

15.1 Specific health, safety and environmental regulations and legislation in relation to the substance or mixture

EU regulations

Regulation No. 1907/2006/EC (REACH).

Regulation No. 1272/2008/EC (CLP) and subsequent adaptations.

Regulation 878/2020/EU (amending (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Authorization and Restriction of Chemicals (REACH)).

15.2 Chemical Safety Assessment

A chemical safety assessment is not required for this substance.

SESSION 16 - Other information

This safety data sheet is based on the information currently in our possession; we assume responsibility for its completion and updating. The information is referred solely to the indicated product.

Any use of the product in a manner that conflicts with the prescriptions of this safety data sheet is the sole responsibility of the user.

This data sheet supersedes and cancels all previous editions. The information refers to the untreated product.

Key: n.s. = not supplied - n.a. = not applicable. Notes to section 8*: concentration at which it is deemed that workers may be continuously exposed for short periods without giving rise to irritation, chronic or irreversible harm to tissues, or reduced state of alertness.

**: limit never to be exceeded during work activities Main bibliographic sources: ACGIH: Threshold Limit Value.

NIOSH Registry of toxic effects of chemical substances.

I.N.R.S. Fiche toxicologique.

Text of R Phrases appearing above:

R20: harmful by inhalation. Text of hazard statements appearing above: H332: harmful if inhaled.

16.1 Additional indications

The information contained in this Safety Data Sheet corresponds to our knowledge at the time of printing. This document is not a Certificate of Analysis and is not a Data Sheet, it contains indications on the safe use of the product with regard to storage, processing, transport and disposal.

These indications are not valid for other products.

If the product is mixed with other materials or is processed, the indications on the safety data sheet are only valid for the new material.