

BIOSTRONG® Forte

Section 1 Identification of the mixture and of the company

1.1 Product identifier:

Trademark: BIOSTRONG® Forte

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Premixture for animal use as feed additive.

Not to be used for other purposes than recommended.

1.3 Details of the supplier of the safety data sheet:

Manufacturer:

Delacon Biotechnik GmbH
Weissenwolffstr. 14
A-4221 Steyregg
Tel.:+43 732 640 531-0
Fax:+43 732 640 533
office@delacon.com

Importer:

PMI Nutritional Additives
1080 County Road F West
Shoreview, MN 555126
Phone: Non-Emergency Business Inquiries: 1-800-328-9680,
Monday – Friday, 8 am to 5 pm (Central Standard Time)

1.4 Emergency telephone number:

US Emergency number: Chem-Tel 1-800704-9215 (24 hrs)

Section 2 Hazards identification

2.1 Classification of the mixture:

n.a.

2.2 Label elements:

Hazard warnings:

Contains Anethole. May produce an allergic reaction.

Safety information:

- P261 Avoid breathing dust.
- P273 Avoid release to the environment.
- P280 Wear protective gloves.

BIOSTRONG® Forte

2.3. Other hazards

Neither the mixture nor its ingredients are classified as PBT or vPvB

Section 3 Composition/ information on ingredients

3.2. Mixture

Chemical characterization

Description:

Mixture of the following substances with harmless additives.

Additional information:

The complete wording of the listed hazard warnings can be found in section 16.

CAS Nr	EINECS	% [w/w]	Identification	Classification 1272/2008/EC (CLP)
104-46-1	203-205-5	< 1.0 %	Anethole	Skin Sens. 1, H317

Section 4 First aid measures

4.1 Description of first aid measures:

After inhaling: Provide plenty of fresh air. In case of persisting symptoms see a doctor as a precaution.

After skin contact: Wash with plenty of soap and water.

After eye contact: Rinse cautiously with water for several minutes.

After swallowing: In case of persisting symptoms see a doctor.

4.2 Most important symptoms and effects, both acute and delayed:

Acute: None known.

In case of preexisting sensitization: Irritation of the skin.

Delayed: None known.

4.3 Indication of any immediate medical attention or special treatment needed:

Treatment, if needed, is symptomatic.

BIOSTRONG® Forte

Section 5 Fire-fighting measures

5.1 Extinguishing media:

Suitable: Water, powder, foam, CO2. Fight bigger fires with water or alcohol resistant foam.

Unsuitable: None known.

5.2 Special hazards arising from the mixture:

None known.

5.3 Advice for firefighters:

Standard protective equipment for firefighters.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective gloves. Provide sufficient venting, avoid dust formation.

6.2 Environmental precautions:

Do not allow release to drains, surface or ground water.

6.3 Methods and material for containment and cleaning up:

Collect mechanically into appropriate container and dispose according to local waste regulations.
Avoid dust formation.

6.4 Reference to other sections:

Details concerning personal protective equipment can be found in section 8.

Remarks concerning disposal can be found in section 13.

Section 7 Handling and storage

7.1 Precautions for safe handling:

Avoid dust formation. Avoid spillage and release to the environment and into drains. Wash contaminated clothing before reuse. Wash hands after use.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a cool and dry place. Store in original packing, close opened packing thoroughly after use and use up soon.

BIOSTRONG® Forte

7.3 Specific end-uses:

The product is a premixture to be used solely for manufacturing of feed. It is to be mixed thoroughly and homogenously in final feeds.

Section 8 Exposure controls/personal protection

8.1 Control Parameters:

The product does not contain substances with limit values for the maximum workplace concentration.

8.2 Exposure controls:

Respiratory protection:	Use dust mask (FFP2) against fine dust. Provide sufficient venting.
Eye protection:	Wear protective glasses.
Skin protection:	Protective gloves
	The glove material must be impermeable and resistant to the mixture. No recommendation on the glove material can be given, no test results are available. Choose the glove material with regard to break through time, permeation rate and degradation.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	white-brownish powdery substance
Odor:	typical acidic aromatic note
Odor threshold:	Data not available
pH (10% aqueous solution):	5.5
Melting point/freezing point:	Not applicable
Initial boiling point and boiling range:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not applicable
Flammability:	Data not available
Upper/Lower flammability or explosive limit:	Data not available
Vapour pressure:	Not applicable
Vapour density:	Not applicable
Bulk density:	0.65 g/cm ³
Solubility:	Partially miscible with water
Partition coefficient n-octanol/water:	Data not available
Auto-ignition temperature:	The product is not auto-ignitable

BIOSTRONG® Forte

Decomposition temperature:	Not applicable
Viscosity:	Not applicable
Explosive properties:	Data not available
Oxidizing properties:	Data not available

9.2 Other information:

None

Section 10 Stability and reactivity

10.1 Reactivity:

Data not available. No special reactivity hazards known.

10.2 Chemical stability:

Stable at normal temperature and pressure.

10.3 Possibility of hazardous reactions:

No hazardous reactions known.

10.4 Conditions to avoid:

High temperatures. High dust concentrations in the air.

10.5 Incompatible materials:

Data not available.

10.6 Hazardous decomposition products:

Data not available.

Section 11 Toxicological Information

Information on toxicological effects:

The listed data is valid for the mixture as a whole.

Acute toxicity: Based on available data, the classification criteria are not met.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

Mutagenicity: Based on available data, the classification criteria are not met.

BIOSTRONG® Forte

Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
STOT – single exposure:	Based on available data, the classification criteria are not met.
STOT – repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.

Section 12 Ecological Information

12.1 Toxicity:

Data not available.

12.2 Persistence and degradability:

Data not available. Fast degradation expected.

12.3 Bioaccumulative potential:

Data not available.

12.4 Mobility in soil:

Data not available.

12.5 Results of PBT and vPvB assessment:

The mixture has no PBT or vPvB properties; assessed according to Annex XIII to REACH regulation.

12.6 Other adverse effects:

Data not available.

Section 13 Disposal considerations

13.1 Waste treatment methods:

Recommendations:

Do not dispose of with domestic waste. Do not allow to enter the sewage system. Dispose of according to local regulations.

BIOSTRONG® Forte

Section 14 Transport information

14.1 UN Number

Not classified as dangerous good.

14.2 Proper UN identification of the shipment

Not applicable.

14.3 Class(es) of hazard for transport

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not hazardous to the environment according to transport regulations.

14.6 Special safety measures for users

None specified.

14.7 Transport in bulk according to Annex II MARPOL 73/78 and IBC regulation

Not transported in bulk

Section 15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the mixture:

Regulation EC 1907/2006 (REACH)

Regulation EC 1272/2008 (CLP)

Regulation EC 1831/2003 on additives for use in animal nutrition

15.2 Chemical safety assessment:

A chemical safety assessment has not been carried out.

BIOSTRONG® Forte

Section 16 Other information

a) Change history of the safety data sheet

Version 1, November 27th, 2014

Changes in sections 1.2, 2.3, 4.3, 5.3, 6.3, 8.2, 9.1, 10.2, 11, 12.1, 14, 15.1, 16

(version 2, December 10th, 2015)

Changes in sections 1.3 and 1.4 (version 3, July 26th, 2017)

b) Abbreviations and acronyms:

Skin Sens. 1: Skin sensitization, category 1

PBT: a persistent, bioaccumulative and toxic substance

vPvB: a very persistent and very bioaccumulative substance

c) H- statements (Section 3):

H317 May cause an allergic skin reaction.

d) Other information:

All data mentioned represents our today's knowledge, it does not guarantee any product features or establishes any legal relationship.