

BIOSTRONG® Protect

SECTION 1: Identification of the mixture and of the company

1.1 Product identifier

Trademark: BIOSTRONG® Protect

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

Premixture of additives for animal feed production.

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

Distributor:

Delacon USA Inc.

8 South Hanover Street, Suite 213

Carlisle, PA 17013

Phone: Non-Emergency Business Inquiries. (717) 218-2724

1.4 Emergency telephone number

USA: Chem-Tel: 1-800-704-9215 (24hrs)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

May cause an allergic skin reaction, Category 1 (H317)

Harmful to aquatic life with long lasting effects, Category 3 (H412)

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2.2 Label elements

Hazard warnings:



Warning: H317 – May cause an allergic skin reaction.
H412 – Harmful to aquatic life with long lasting effects.

Contains Eucalyptol, *trans*-Anethole, Limonene, α -Pinene and Terpinolene. May produce an allergic reaction.

Safety information:

P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Was with plenty of water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

2.3 Other hazards

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

SECTION 3: Composition/ information on ingredients

3.1 Substances

Not applicable.

3.2. Mixtures

Chemical characterization

Description:

Mixture of the following substances with non-classified ingredients.

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)
470-82-6	207-431-5	< 5.0 %	Eucalyptol	Flam. Liq. 3, H226 Skin Sens. 1, H317
562-74-3	209-235-5	< 5.0 %	Terpinen-4-ol	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319
4180-23-8	224-052-0	< 1.0 %	<i>trans</i> -Anethole	Skin Sens. 1, H317

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CAS Nr	EINECS	% [w/w]	Identification	Classification 1272/2008/EC (CLP)
138-86-3	205-341-0	< 1.0 %	Limonene	Flam. Liq. 3, H226 Asp. Tox. 4, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
7785-26-4	232-077-3	< 1.0 %	α -Pinene	Flam. Liq. 3, H226 Asp. Tox. 4, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
586-62-9	209-578-0	< 1.0 %	Terpinolene	Flam. Liq. 3, H226 Asp. Tox. 4, H304 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhaling:	Provide plenty of fresh air and see a doctor if experiencing persistent symptoms.
After skin contact:	Wash with plenty of soap and water. If skin irritation occurs get medical advice.
After eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice.
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:	Skin sensitization.

4.3 Indication of any immediate medical attention or special treatment needed

Treatment, if needed, is symptomatic.

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SECTION 5: Firefighting 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 substance or 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/protective suits/eye protection/skin protection. Provide sufficient venting, avoid dust formation.

6.2 Environmental precautions

Do not allow release to drains, surface or ground water, in case of release inform responsible authorities.

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 hands after use.

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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.

7.3 Specific end use(s)

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

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:	beige-brownish powder
Odor:	aromatic herbal note
Odor threshold:	Data not available
pH (10% aqueous solution):	Data not available
Melting point/freezing point:	Not applicable
Initial boiling point and boiling range:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not applicable
Flammability (solid, gas):	Data not available
Upper/lower flammability or explosive limits:	Data not available
Vapour pressure:	Not applicable
Vapour density:	Not applicable
Bulk density:	0.50 kg/dm ³

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Solubility(ies):	Partially miscible with water
Partition coefficient n-octanol/water:	Data not available
Auto-ignition temperature:	The product is not auto-ignitable.
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

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

None known.

10.6 Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

acute toxicity:	Based on available data, the classification criteria are not met.
irritation:	Based on available data, the classification criteria are not met.
corrosivity:	Based on available data, the classification criteria are not met.
sensitization:	The product is classified as sensitizing to skin.

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repeated dose toxicity:	Based on available data, the classification criteria are not met.
carcinogenicity:	Based on available data, the classification criteria are not met.
mutagenicity:	Based on available data, the classification criteria are not met.
toxicity for reproduction:	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

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

SECTION 14: Transport information

14.1 UN Number

Not classified as dangerous good.

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14.2 UN proper shipping name

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packing group

Not applicable.

14.5 Environmental hazards

Not hazardous to the environment according to transport regulations.

14.6 Special precautions for user

None specified.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not transported in bulk.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or 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.

SECTION 16: Other information

a) Change history of the safety data sheet

Version 1, February 28th, 2019

b) Abbreviations and acronyms:

Flam. Liq. 3:	Flammable liquids, Hazard Category 3
Acute Tox. 4:	Acute toxicity (oral), Hazard Category 4
Asp. Tox. 1:	Aspiration hazard, Hazard Category 1

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Skin Irrit. 2:	Skin corrosion/irritation, Hazard Category 2
Skin Sens. 1:	Sensitization — Skin, Hazard category 1
Eye Irrit. 2:	Serious eye damage/eye irritation, Hazard category 2
Aquatic Acute 1:	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1:	Hazardous to the aquatic environment — Chronic Hazard, Category 1
PBT:	a persistent, bioaccumulative and toxic substance
vPvB:	a very persistent and very bioaccumulative substance

c) H-statements (Section 3):

H226	Flammable liquid and vapour.
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

d) Other information:

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