



BOVI-LYSINE

Safety Data Sheet

Prepared according to Federal register / Vol. 77, No. 58/ Monday, March 26th 2012 / Rules and Regulations

Revision date: 04/08/2019

Supersedes: 07/09/2013

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Product name : BOVI-LYSINE

Product code : 6999

Product form : Mixture

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

Intended use : Animal feed nutritional supplement

Uses advised against : None identified

1.3. Details of the supplier of the safety data sheet

QualiTech, Inc. Phone: 1-800-328-5870
318 Lake Hazeltine Drive Web: qualitechco.com
Chaska, MN 55318

1.4. Emergency telephone number

Emergency number : Infotrack (800) 535-5053

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Not a hazardous substance or mixture Not a hazardous substance or mixture

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) None Indicated

Hazard statement (GHS-US) : The product does not pose any particular hazard to health.

Signal word (GHS-US) : **None indicated.**

Precautionary statements (GHS-US) : P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing
None Indicated.

2.3. Other Hazards

Other hazards not contributing to the classification : None under normal conditions

2.4. Unknown acute toxicity (GHS-US) : No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	CAS #	%
L-Lysine	657-27-2	50
Vegetable-based Lipids	N/A	0-30
Calcium fatty acid salts	N/A	0-20

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.
First-aid measures after inhalation	: IF INHALED: Remove to fresh air. Give artificial respiration if not breathing. Keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. Supply oxygen if necessary.
First-aid measures after skin contact	: IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. Get medical advice/attention.
First-aid measures after eye contact	: IF IN EYES: Immediately flush with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
First-aid measures after ingestion	: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

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

Symptoms/injuries after inhalation	: May cause respiratory irritation
Symptoms/injuries after skin contact	: May cause mild skin irritation
Symptoms/injuries after eye contact	: May cause mechanical eye irritation
Symptoms/injuries after ingestion	: Not expected to cause adverse symptoms

4.3. Indication of any immediate medical attention and special treatment needed

Call physician and Poison Control Center if adverse conditions appear.

SECTION 5: Firefighting measures

5.1. Extinguishing Media

Suitable extinguishing media	: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
Unsuitable extinguishing media	: Strong oxidizing agents

5.2. Special hazards arising from the substance or mixture

Fire hazard	: The product is not easily ignited
Explosion hazard	: Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride gas
Reactivity	: Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride gas

5.3. Advice for firefighters

Firefighting instructions	: Wear self-contained breathing apparatus for firefighting if necessary.
Protection during firefighting	: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Restrict area and proceed with clean up using appropriate protective
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6.1.1 For non-emergency personnel

Protective equipment	: Choose body protection in relation to its type, to the concentration and amount of
Emergency procedures	: Avoid dust formation. Avoid breathing vapours, mist or gas. Evacuate unnecessary

6.1.2 For emergency responders

Protective equipment	: Equip clean up crew with proper protection
Emergency procedures	: Ventilate area

6.2. Environmental precautions

special environmental precautions required.

6.3. Methods and material for containment and cleaning up

For containment : Keep in suitable, closed containers for disposal.

Methods for cleaning up : Sweep up and shovel.

6.4. Reference to other sections : See heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work. Provide good ventilation in process area to prevent formation of excessive dust. Avoid breathing dust. Use only outdoors or in a well-ventilated area.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Keep container in a cool, dry, well-ventilated area.
Storage class (TRGS 510): Non Combustible Solids

Incompatible products : Not additional information available

Incompatible materials or conditions : No additional information available

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

L-lysine Monohydrochloride (657-27-2)	
NIOSH REL, TWA (mg/m ³)	Not established
OSHA PEL, TWA (mg/m ³)	Not established
NIOSH IDLH (mg/m ³)	Not established

Vegetable-based Lipids	
NIOSH REL, TWA (mg/m ³)	Not established
OSHA PEL, TWA (mg/m ³)	Not established
NIOSH IDLH (mg/m ³)	Not established

Calcium fatty acid salts	
NIOSH REL, TWA (mg/m ³)	Not established
OSHA PEL, TWA (mg/m ³)	Not established
NIOSH IDLH (mg/m ³)	Not established

8.2. Exposure Controls

Appropriate engineering controls : Provide adequate ventilation. Emergency eye wash fountain and safety showers should be immediately available.

Personal protective equipment : Avoid all unnecessary exposure.



Hand protection	: Wear protective gloves.
Eye protection	: Use equipment for eye protection tested and approved under appropriate
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: Wear appropriate mask.
Other information	: Do not eat, drink, or smoke during use.

SECTION 9: Physical and chemical properties

Physical state	: Pelleted Solid
Appearance	: Pelleted Solid
Molecular mass	: Not available.
Color	: Tan to Off White
Odor	: None
Odor Threshold	: Not applicable.
pH	: Not available.
Relative evaporation rate (butylacetate=1)	: Not available.
Melting point	: Not available.
Freezing point	: Not available.
Boiling point	: Not available.
Flash point	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Flammability (solid, gas)	: Not available.
Vapor pressure	: Not available.
Relative vapor density at 20°C	: Not available.
Density	: Not available.
Solubility	: Insoluble
Log Pow	: Not available.
Log Kow	: Not available.
Viscosity, kinematic	: Not available.
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

SECTION 10: Stability and Reactivity

10.1. Reactivity

Strong oxidizing agents

10.2. Chemical stability

le under recommended storage conditions.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity : Not classified

L-lysine Monohydrochloride (657-27-2)	No data available
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Vegetable-based Lipids	No data available
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Calcium fatty acid salts	No data available
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Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not available.

Respirator or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not available.

Specific target organ toxicity (repeated exposure) : Not classified

Potential adverse human health effects and symptoms : Not available.

Symptoms/injuries after inhalation : Not available.

Symptoms/injuries after skin contact : Not classified

Symptoms/injuries after eye contact : Not available.

Symptoms/injuries after ingestion : Not available.

Likely routes of exposure : Inhalation; skin and eye contact

Chronic symptoms : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No data available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose of product in accordance with all applicable laws and regulations.

Ecology - waste materials : Avoid release to the environment

SECTION 14: Transport information

In accordance with DOT

Not a dangerous good in sense of transport regulations (US)

Additional information

Other information : No supplementary information available.

Transport by sea

No additional information available

Transport by air

No additional information available

SECTION 15: Regulatory information**15.1. US Federal regulations**

L-lysine Monohydrochloride (657-27-2)

TSCA	No additional information available.
Section 302 (EHS) TPQ	No additional information available.
Section 304 (EHS) RQ	No additional information available.
CERCLA RQ	No additional information available.
Section 313	No additional information available.

Vegetable-based Lipids

TSCA	No additional information available.
Section 302 (EHS) TPQ	No additional information available.
Section 304 (EHS) RQ	No additional information available.
CERCLA RQ	No additional information available.
Section 313	No additional information available.

15.2. International regulations

L-lysine Monohydrochloride (657-27-2)

Canada	No additional information available.
European Union	No additional information available.
Australia	No additional information available.
China	No additional information available.
Other	No additional information available.

Vegetable-based Lipids

Canada	No additional information available.
European Union	No additional information available.
Australia	No additional information available.
China	No additional information available.
Other	No additional information available.

Calcium fatty acid salts

Canada	No additional information available.
European Union	No additional information available.
Australia	No additional information available.
China	No additional information available.
Other	No additional information available.

15.3. US State Regulations

No additional information available.

NFPA/HMIS

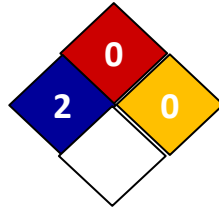
SECTION 16: Other information

Other information

: None

NFPA/HMIS

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Health	1
Fire	0
Reactivity	0
Personal Protection	E

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