



MATERIAL SAFETY DATA SHEET

1) Product and Company Information

Product Name:	NURISOL
Product Description:	Calcium Salt of long chain fatty acids for ruminants
Material Use:	Livestock Feedstuff
Supplier:	Global Agri-trade Corp. 320 Golden Shore, Suite 350 Long Beach, CA 90802 Tel. No.: (562)320-8550 Fax No.: (562)256-7551
Emergency Contact:	1-562-320-8550 Executive Director

2) Hazard Identification

Proposed Classification:

This product contains no substances classified as hazardous to health.

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910, 1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

Human Health Hazards:

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| a) Inhalation: | Dust can cause irritation of the respiratory system. |
| b) Skin Contact: | Can cause irritation. |



c) Eye Contact:

Can cause irritation.

d) Ingestion:

Non toxic.

Physical / Chemical Hazards:

Tan to light brown granular material. Fatty characteristic odor.

3) Composition/ Information on Ingredients

Chemical Description:

Calcium Salt of long chain fatty acids; product obtained by saponification of palm fatty acids with calcium hydroxide; 85% fat; 12% Ash (at 850° C); 3% moisture (at 105° C); approx. 80% free fatty acids.

Stabilizing Additive:

Butylated Hydroxytoluene (BHT) (Preservative)

4) First Aid Measures

Inhalation:

Remove to fresh air. If any difficulty in breathing, consult a doctor.

Skin contact:

Wash thoroughly with soap and water. Remove contaminated clothing. If irritation occurs consult a doctor.

Ingestion:

Normally no danger, but eat dry food.

Eye contact:

Flush thoroughly with water



Physician:

for 15 minutes holding eyelids apart to ensure complete irrigation. If irritation occurs consult a doctor.

No specific antidote necessary; Material is used as animal feed ingredient.

5) Fire Fighting Measures

Suitable Firefighting Equipment:

Extinguishing foam, dry powder, sand.

Personal Precautions:

Keep away from open flame, no smoking, thermal decomposition may evolve irritant vapors. Keep upwind spillage. Wear breathing apparatus.

Environmental Protection:

Place in covered containers for disposal in approved landfill.

6) Accidental Release Measures

Personal Precautions:

Wear dusk mask if dusting occurs; Feedstuff, no direct danger.

Environmental Protection:

Minimize contamination of drains, surface and ground water.



Leak/Spill:

Clean up area immediately. Collect material into dry, clean containers. Dispose of in accordance with local, state and federal regulations.

7) Handling and Storage

Avoid contact with eyes; it is recommended to wear protective clothing, gloves and goggles when handling.

Store in a cool and dry place. Store away from acids. Keep away from ignition sources where dust is present.

8) Exposure Control/Personal Protection

Personal Protection:

Do not breath dust; wear dust mask; avoid contact with eyes; wear goggles if necessary; wear protective clothing.

Occupational Exposure:

No limit has been established.

9) Physical and Chemical Properties

Appearance:

Tan to light brown granular and powdery material.

Odor:

Neutral – soapy and fatty Odor.

Boiling Point °C at 760 mm Hg:

Not applicable.

Melting Point, °C:

Not applicable. Decomposes



	approx. 150° C.
Flash Point, °C (Pensky Martens closed cup):	<i>Not applicable.</i>
Solubility in Water, g/100 ml at 20°C:	1 g/l
Bulk Density:	900 kg/cubic meter

10) Stability and Reactivity

Chemical Stability:	Stable minimum 1 year under normal conditions.
Conditions to Avoid:	Wetness; storage in the sun.
Decomposition Products:	None.

11) Toxicology Information

Acute Oral Toxicity:	Not toxic.
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12) Ecological Information

Biodegradable material. Aquatic Toxicity not known

13) Disposal Consideration

Dispose of in a normal refuse dump in accordance with all applicable local, state and federal laws and regulations.

14) Transport Information

Not dangerous, no transport regulations applicable.

15) Regulatory Information



Calcium Salt of long chain fatty acids is categorized under non-hazardous materials.

Water endangering grade 1.

16) Other Information

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