

GPS Safety Summary ALIMET[®]

General Statement

This Product Safety Summary is intended to provide a general overview of the chemical substance. It constitutes basic information and is not intended to provide emergency response information, medical information, treatment information or in-depth safety and health information, which can only be found in the applicable Safety Data Sheet (SDS).

Chemical Identity

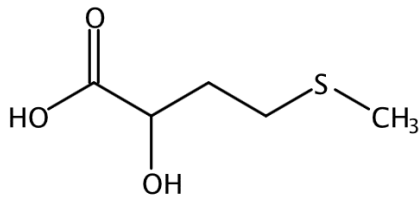
Chemical Name: Methionine hydroxy analogue

CAS: 583-91-5

EINECS: 209-523-0

Molecular Formula: C₅H₁₀O₃S

Structure:



Uses and Benefits

ALIMET[®] feed supplement is an organic acid source of methionine precursor that is used to support growth and performance of poultry, livestock and fish. In addition to meeting animal methionine requirements, ALIMET[®] also provides benefits due to its antibacterial and antioxidant effects in the feed, maintained performance during heat stress, energy savings in the feed mill and increased feed intake.

Physical / Chemical Properties

ALIMET[®] is a light brown to brown liquid with a characteristic sulfur odor. The pH of the product is less than 1. Boiling point is observed at 249.8 °F (121 °C) and the flash point using Pensky-Martens Closed Cup is greater than 240.8 °F (> 116.0 °C). The vapor pressure is 16 mm Hg at 25°C. The material density is heavier than water but is completely soluble. Shelf life is a minimum of 2 years when stored as directed.

Health Effects

Date of Issue: December 2015

The acute toxicity does not pose a significant hazard given its purpose as an animal feed ingredient. Consult your feeding advisor for recommended doses.

Information on likely routes of exposure includes:

- Inhalation: No adverse effects due to inhalation are expected.
- Skin contact: Causes skin irritation.
- Eye contact: Causes serious eye damage.
- Ingestion: Expected to be a low ingestion hazard.

Environmental Effects

The material is harmful to aquatic life in high concentrations. This product is water soluble and may disperse in soil. The environmental effects do not pose a significant hazard given its purpose as an animal feed ingredient.

Exposure

All personnel are instructed to use eye protection and chemical resistant gloves when handling or working with equipment that has come in contact with ALIMET[®].

Consumer Exposure Controls

There is no exposure limit data available for ALIMET[®] or its ingredients. ALIMET[®] can permeate porous substances (such as leather) and remain in the substances for long periods of time. This should be taken into account when exposure is expected.

Safe Handling

Handle and open containers with care. Avoid contact with eyes and skin. Provide adequate ventilation. Observe good industrial hygiene practices. Do not taste or swallow. When using, do not eat, drink, or smoke. Wash hands thoroughly after handling. Avoid release to the environment.

Safe Storage & Accidental Release Measures

It is recommended that ALIMET[®] be stored in a diked area to avoid release to the environment and minimize the chance for the product to reach a waterway. Prevent further leakage or spillage if safe to do so. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Spilled material should be

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properly disposed and never reused. For waste disposal, see the safety data sheet.

State Agency Review

US. Massachusetts RTK - Substance List
Not regulated.

US. New Jersey Worker and Community Right-to-Know Act
Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law
Not listed.

US. Rhode Island RTK
Not regulated.

US. California Proposition 65 California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)
This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Classification and Labeling

Physical Hazards

Not Classified.

Health Hazards

Skin corrosion/irritation – Category 2
Serious eye damage/irritation – Category 1

Environmental Hazards

None.

Label Elements



Signal Word

Danger

Hazard Statement

Causes skin irritation. Causes serious eye damage.

OSHA Defined Hazards

Not classified.

Hazard(s) not otherwise classified (HNOC)

None known.

Conclusion

ALIMET[®] has been shown to be safe when care is taken during its use and instructions provided are followed. However, ALIMET[®] has a low pH, is a skin, eye, and respiratory irritant, and may cause harm to the environment at certain concentrations.

Company Contact Information

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Disclaimer

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