



your partner in food safety

SDS

Safety Data Sheet

1) Product Identification

Product Name: ANLC-1

Product Code: I01801

Recommended Use: A buffered bacterial product designed especially to enhance the action of anaerobic lagoons.

Producer: Birko Corporation
9152 Yosemite Street
Henderson, CO 80640-8027

Contact Information: (303) 289-1090 or 1-800-525-0476

Emergency Number: CHEMTREC 1-800-424-9300

2) Hazard(s) Identification

Health	Environmental	Physical
Acute Toxicity Cat. 4 Skin Corrosion Cat. 3 Eye Effects Cat. 2B	Aquatic Toxicity Acute Cat. 4	

Labeling:**Symbol:****Signal Word: Warning
Irritant****Hazard Statement(s):** May causes eye damage. Harmful or fatal if swallowed. May cause skin irritation. Do not get into eyes, on skin, or on clothing.**Precautionary Statement(s):** Use rubber gloves, protective splash-proof goggles, and protective clothing. Remove contaminated clothing and wash before re-use. Do not contaminate food, feed, or water. Keep container closed when not in use.

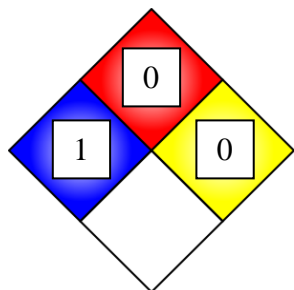
3) Composition/ Information on Ingredients

Name(s)	Synonym(s)	CAS Number	Weight %
Subtilisin Protease		9014-01-1	< 1%
Linear Alcohol Ethoxylate		34398-01-1	>4%

4) First-Aid Measures

Inhalation	Skin Contact	Eye Contact	Ingestion
Remove victim to fresh air.	Remove contaminated clothing and footwear. Wash material off the skin with plenty of soap and water. Wash clothing and footwear before reuse.	Immediately flush with plenty of water for at least 15 minutes, and have examined and treated by medical personnel.	Drink water or milk to dilute. Induce vomiting only if advised by physician or poison control center.

5) Firefighting Measures**Suitable Extinguishing Media:** Water, Carbon Dioxide, Dry Chemical, and Foam Blanket**Unsuitable Extinguishing Media:** N/A**Specific Hazards:** Always wear self-contained breathing apparatus when fighting a chemical fire.**Special Protective Actions for Fire-Fighters:** N/A



6) Accidental Release Measures

Personal Precautions: Be sure to use all necessary Personal Protective Equipment

Environmental Precautions: Avoid contamination of food, feed, waterway, or groundwater.

Methods and Materials for Containment and Clean-Up: For small spills: Flush to waste treatment sewer (product is biodegradable). For large spills: Contain and collect for reuse.

7) Handling and Storage

Precautions for Safe Handling: Do not contaminate food, feed, or natural water. Supplier is not responsible for disposition of this product. Do not reuse container. Maintain an eyewash station, and safety shower in product handling areas.

Conditions for Safe Storage: Keep container closed when not in use. Store in a cool, dry location.



8) Exposure Controls and Personal Protection

Appropriate Engineering Controls: Ventilation: Provide local exhaust ventilation where mist may be generated. Ensure compliance with applicable exposure limits.

Exposure Limits:

Name (CAS-No.)	PEL	TLV	STEL
Subtilisin Protease (9014-01-1)	N/A	0.06 mcg/m ³	N/A

Personal Protective Equipment

Eye/Face	Gloves
	

Eye/Face: Safety glasses. Wear chemical safety goggles with face shield when appropriate.

Skin: Wear appropriate clothing.

Gloves: Wear appropriate chemical resistant gloves.

Protective Material Types: Neoprene, nitrile rubber, polyvinyl chloride, polyethylene.

9) Physical and Chemical Properties

Physical Form: Powder

Appearance: Amber to Tan

Odor: Fermentation odor

pH: 7

Melting Point: Not available

Freezing Point: Not established

Boiling Point: Not established

Flash Point: Not applicable

Evaporation Rate: Not established

Flammability: Not flammable

Upper/Lower Flammability or explosive limits: Not applicable

Vapor Pressure: Not established

Vapor Density: Not established

Relative Density: Not established

Specific Gravity: Not established

Solubility: 100%

Partition coefficient: Not available

Auto-Ignition Temperature: Not applicable

Decomposition Temperature: Not available

10) Stability and Reactivity

Chemical Stability: Stable at normal temperatures and pressure.

Possibility of Hazardous Reactions: This product does not polymerize under normal storage and use conditions.

Conditions to Avoid: N/A

Materials to Avoid: Strong acids or alkali compounds may inactivate biological cultures

Hazardous Decomposition Products: N/A

11) Toxicological Information

Acute Toxicity:

Test	Results	Basis
LD50	1.0-4 g/kg	Product test

Summary Comments: Limited toxicity data are available on this specific product; this health hazard assessment is based on the results of screening tests.

Sub-chronic/Chronic Toxicity:

Test	Results	Comments
N/A	N/A	N/A

12) Ecological Information

Toxicity:

Test	Results
N/A	N/A

Persistence and Degradability: Limited toxicity data are available.

Bioaccumulative Potential: This material is believed not to bioaccumulate.

Mobility in Soil: Biodegradable

Other Adverse Effects: Not available

13) Disposal Considerations

Disposal Method: Re-use or reprocess if possible. Dispose in accordance with all applicable regulations. Subject to disposal regulations: U.S. EPA 40 CFR 262. Hazardous Waste Number(s): D002

14) Transport Information

UN Number: N/A

UN Proper Shipping Name: N/A

Transport Hazard Class (es): N/A

Packing Group: N/A

Environmental Hazard(s): N/A

Special Precautions for User: N/A

15) Regulatory Information

US Regulations:

CERCLA Sections 102a/103 Hazardous substances (40 CFR 302.4): N/A

SARA Title III, SARA Sections 311/312, Hazardous Categories (40 CFR 370.21):

Acute: No

Chronic: No

Fire: No

Reactive: No

Sudden Release: No

State Regulations:

California Proposition 65: This product is not listed.

Canadian Regulations:

Controlled Products Regulations (CPR): This product has been classified in accordance with the criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the CPR.

WHMIS Classification: N/A

National Inventory Status: U.S. Inventory (TSCA): All the components of this substance are listed on or exempt from the inventory.

Canada Inventory (DSL/NDSL): All components of this product are listed on the DSL

16) Other Information

HMIS

0	FLAMMABILITY
1	HEALTH
1	REACTIVITY
B	Personal Protection

Hazard Index

4-Severe

3-Serious

2-Moderate

1-Slight

0-Minimal

Preparer: Ramsey Johnson

Approved By: Terry L. McAninch

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