



International Nutrition, Inc.
Safety Data Sheet

SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

1.1 Product Identifier

Product form: Free-flowing, fine granular mix
Product name: Biotin 1%

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

Use of the substance/mixture: Animal feed supplement

1.3 Details of the supplier of the safety data sheet

Name: International Nutrition, Inc.
Address: 7706 I Plaza
Omaha, NE 68127

Telephone: 402-331-0123

Date prepared – 02-09-16

1.4 Emergency telephone number:

402-331-0123

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS-US classification: Not classified

2.2 Label Elements

GHS-US Labeling:

Precautionary statements (GHS-US); Contaminated work clothing must not be allowed out of the workplace. Wear protective gear including long sleeves, trousers, and eye protection.

If on skin: Wash skin with mild soap and water. If skin irritation continues, seek medical attention.

2.3 Other Hazards

Other hazards not contributing to the classification:

2.4 Unknown Acute Toxicity (GHS US)

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS SUBSTANCE / MIXTURE

3.1 Substances



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3.2 Mixture

Chemical Name	Product identifier (CAS No.)	%
Biotin	58-85-5	0.001-8%
White oil	8042-47-5	1-5%
Calcium carbonate	471-34-1	60-70%
Rice hulls	NA	30-40%

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

First-aid measures general: First aid personnel should pay attention to their own safety. Remove contaminated clothing.

First-aid measures after inhalation: Persons experiencing difficulty breathing should be moved to fresh air.

First-aid measures after skin contact: Wash skin with mild soap and water.

First-aid measures after eye contact: Flush with cool clean water for at least 15 minutes.

First-aid measures after ingestion: Rinse mouth immediately and then drink plenty of water, seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation: Difficulty breathing.

Symptoms/injuries after skin contact: Redness or itching of the skin

Symptoms/injuries after eye contact: Red, burning, irritated eyes

Symptoms/injuries after ingestion: Sickness

Chronic symptoms:

4.3 Indication of any immediate medical attention and special treatment needed

Note to Physicians: All treatments should be based on observed signs and symptoms of distress in patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically. No specific antidote is available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Water, foam, water fog

5.2 Special hazards arising from the substance or mixture

No known unusual fire and explosion hazards.

5.3 Advice for firefighters

Firefighters should use self-contained breathing apparatus to avoid exposure to smoke and vapor.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions protective equipment and emergency procedures

In case material is released or spilled, sweep into covered container pending final disposition.



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6.1.1 For non-emergency personnel

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

Protective equipment:

Respiratory Protection: Dust Mask; Ventilation - Local Exhaust: As Needed; Protective Gloves: As needed for the task being performed; Eye Protection: Safety Glasses with side shields or face shield; Other Protective Clothing or Equipment: Eyewash and full body shower facilities.

6.1.2 For emergency responders

Protective equipment:

Respiratory Protection: Dust Mask; Ventilation - Local Exhaust: As Needed; Protective Gloves: As needed for the task being performed; Eye Protection: Safety Glasses with side shields or face shield

Emergency procedures:

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

6.2 Environmental precautions:

6.3 Methods and material for containment and cleaning up:

In case material is released or spilled, sweep into covered container pending final disposition.

6.4 Reference to other sections:

None

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

Additional hazards when processed:

Precautions for safe handling: Store in a cool dry place away from acids. Material will absorb moisture from air or other sources.

Hygiene measures:

The following general measures should be taken when working or handling this material: 1) Do not store, use, or consume foods, beverages, tobacco products or cosmetics in areas where this material is stored. 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using the toilet. 3) Wash exposed skin promptly to remove accidental splashes of contact with this material.

7.2 Conditions for safe storage including any incompatibilities:

Storage conditions: Store in a cool dry place.

Incompatible products: Store away from acids.

Incompatible materials: Material will absorb moisture from air or other sources.

Storage area:

Packaging materials:

7.3 Specific end use(s)

To be used as an animal feed supplement.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters



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8.2 Exposure controls

Appropriate engineering controls: Ventilation (Local Exhaust & Mechanical) to be used as needed.
Personal protective equipment: Dust Mask, Protective Gloves, and Safety Glasses (with side shields or face shield) to be used as needed.
Materials for protective clothing: long sleeves and trousers
Hand protection: Protective Gloves
Eye protection: Safety Glasses with side shields or face shield
Skin and body protection: long sleeves and trousers

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state: Free-flowing, fine granular mix
Appearance: yellow brown material with a slight grain odor
Color: yellow brown
Odor: Light characteristic odor of grain
Odor threshold: N/A
pH: N/A
Relative evaporation rate (butylacetate=1): N/A
Melting point: N/A
Freezing point: N/A
Boiling point: N/A
Flash point: N/A
Self-ignition temperature: N/A
Decomposition temperature: N/A
Flammability (solid, gas): N/A
Vapor pressure: N/A
Relative vapor density at 20° C: N/A
Relative density: N/A
Density: N/A
Solubility: Not soluble
Log Pow: N/A
Log Kow: N/A
Viscosity, kinematic: N/A
Viscosity, dynamic: N/A
Explosive properties: Not known
Oxidizing properties: Not known
Explosive limits: N/A

9.2 Other information

None

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

None known

10.4 Conditions to avoid



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Moist conditions

10.5 Incompatible materials

Acids, oxidizers

10.6 Hazardous decomposition products

Carbon Monoxide, Carbon Dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Skin corrosion/irritation: May cause an allergic skin reaction.
Serious eye damage/irritation: Product dust in eyes may cause irritation.
Respiratory or skin sensitization: Inhalation of dusts may cause respiratory irritation.
Germ cell mutagenicity: NA
Carcinogenicity: NA
Reproductive toxicity: NA
Specific target organ toxicity (single exposure) NA
Specific target organ toxicity (repeated exposure) NA
Aspiration hazard: NA
Symptoms/injuries after inhalation: Dust may cause respiratory irritation (difficulty breathing)
Symptoms/injuries after skin contact: May cause an allergic skin reaction (dermal distress)
Symptoms/injuries after eye contact: Product dust in eyes may cause irritation (red, swelling, watery eyes)
Chronic symptoms: NA

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bio accumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Other adverse effects

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste disposal recommendations: Dispose of waste in accordance with all local, state, and federal regulations.
Additional information:
Ecology – waste materials: Dispose of waste in accordance with all local, state, and federal regulations.

SECTION 14: TRANSPORT INFORMATION

In accordance with ADR/RID/IMDG/IATA

14.1 UN number

UN-No. (DOT)



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DOT NA no.: NA

14.2 UN proper shipping name

DOT Proper Shipping Name: Biotin 1%

Department of Transportation (DOT) Hazard: Not regulated as dangerous goods.
Classes

Classes

Hazard Label (DOT): NA

DOT Symbols: NA

Packing group (DOT): NA

DOT Special Provisions (49 CFR 172.102) NA

DOT Packaging Exceptions (49 CFR 173.xxx):

DOT Packaging Non Bulk (49 CFR 173.xxx):

DOT Packaging Bulk (49 CFR 173.xxx):

14.3 Additional Information

Other information:

Overland transport

SECTION 15: REGULATORY INFORMATION

15.1 US Federal regulations

NA

15.2 International regulations

15.2.1 National Regulations NA

15.3 US State Regulations

NA

SECTION 16: OTHER INFORMATION

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