



SAFETY DATA SHEET

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

Product identifier

Product Code: 82-PINHUT-E01
Product Name: Total Proinsulin ELISA Kit:
(1) Assay Standards and Controls
(2) HRP Conjugated Antibody
(3) Sample Buffer
(4) Coated Microplate
(5) Wash Buffer Concentrate
(6) Substrate Solution
(7) Stop Reagent

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

Product Use/Restriction: A test kit for determining the concentration of total proinsulin in serum or plasma.

Details of the supplier of the safety data sheet

Manufacturer Name: ALPCO
26 Keewaydin Drive; Unit G
Salem, NH 03079

Emergency phone number:

Telephone: 603-893-8914

SECTION 2: Hazards identification

Classification of the substance or mixture

GHS Classification Sulfuric acid contained in (7) Stop Reagent
H315 - Skin irritation – Category 2
H318 - Serious eye damage – Category 1

Label elements



Signal Word Warning
Hazard Statements H315 - Causes skin irritation – Category 2
H318 - Causes serious eye damage – Category 1
Precautionary Statements P280 - Wear protective gloves/protective clothes/eye protection/face protection.
P302+P352+P362+P364 - IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a physician.

Other hazards

No information available.

SECTION 3: Composition/information on ingredients

Mixtures

Name	CAS No.	EC No.	Concentration (%)
Amphotericin B	1379-89-3	215-742-2	<0.1
Getamicin sulfate	1405-41-0	215-778-9	<0.1
Proclin 300	No information available		<0.1
Sufuric acid	7665-93-9	231-639-5	1-3
Tetramethylbenzidine	54827-17-7	259-364-6	<1

SECTION 4: First aid measures

Description of first aid measures

Eye contact:	Rinse immediately with plenty of water with eyelid held wide open. Obtain medical attention if symptoms persist.
Skin contact:	Remove contaminated clothing. Wash the affected area with soap and water. Obtain medical attention if irritation develops or persists.
Inhalation:	Remove from exposure. Breathe fresh air and rest. If breathing is difficult, give oxygen. Obtain medical attention if symptoms persist.
Ingestion:	Rinse mouth and throat with water. Obtain medical attention if symptoms persist. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Sulfuric acid contained in: (7) Stop Reagent

Eye:	Causes serious eye damage
Skin:	Causes skin irritation
Inhalation:	No known significant effect or hazards
Ingestion:	No known significant effect or hazards

Indication of any immediate medical attention and special treatment needed

Notes to physician	Treat symptomatically
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SECTION 5: Firefighting measures

Extinguishing media

Water, carbon dioxide, powder, foam

Special hazards arising from the substance or mixture

Decomposition products may include carbon dioxide, carbon monoxide and sulfur oxide.

Advice for firefighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Evacuate area and keep unnecessary and unprotected personnel from entering the area. Avoid personal contact and

breathing vapor or mists. Use proper personal protective equipment (see section 8).

Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Methods and material for containment and cleaning up

Absorb on an inert absorbent material, transfer to container and arrange removal in accordance with local regulations.

Reference to other sections

See section 8 for information on appropriate personal protective equipment.

SECTION 7: Handling and storage

Precautions for safe handling

Use in accordance with instructions provided. Use appropriate personal protective equipment (see section 8). Use in a well-ventilated space.

Conditions for safe storage, including any incompatibilities

Store at 2-8°C, in accordance with instructions provided.

Specific end use(s)

For professional use.

SECTION 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits

	Short term exposure limit 15 min reference period	Long term exposure limit 8-hour TWA reference period
(7) Sulfuric Acid (mist)	0.1 mg/m ³	0.05 mg/m ³

Exposure controls

Engineering Controls

Ensure adequate ventilation, especially in confined areas.

Eye/face protection

Use chemical safety goggles.

Skin protection

Protective laboratory coat or disposable garment recommended

Hand protection

Use chemical resistant gloves (nitrile rubber, butyl rubber, PE)

Respiratory protection

Not normally required. In case of inadequate ventilation wear respiratory equipment. NIOSH/MSHA approved respiratory equipment should be used.

Thermal Hazards

No information available.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink, smoke or apply cosmetics while using this product.

Exposure controls

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance:

(1, 4) White, Solid
(2,3,5,6,7) Colorless liquid

Odor:	None
pH	(1,2,3,4,5) 6.5-7.9, (6) ≈4.0, (7) ≈0.5
Melting Point (deg C):	No information available
Boiling Point (deg C):	No information available
Specific Gravity:	No information available
Flash point (deg C):	No information available
Explosive limits (%):	No information available
Vapor pressure:	No information available
Vapor density:	No information available
Solubility:	Soluble in water. Miscible in all proportions
<u>Other information</u>	No information available

SECTION 10: Stability and reactivity

<u>Reactivity</u>	No information available
<u>Chemical stability</u>	Stable under normal temperatures and pressures
<u>Possibility of hazardous reactions</u>	Hazardous reactions will not occur under normal conditions of storage and use.
<u>Conditions to avoid</u>	No information available
<u>Incompatible materials</u>	Strong oxidizing agents
<u>Hazardous decomposition products</u>	Hazardous decomposition will not occur under normal conditions of storage and use.

SECTION 11: Toxicological information

<u>Information on toxicological effects</u>	
Acute toxicity (Ingestion)	Amphotericin B (2,3): LD50 Oral, >5gm/kg (rat) Gentamicin sulphate: (2,3) LD50 Oral, >5gm/kg (rat) Sulfuric acid (7): LD50 Oral, 2140 mg/kg (rat)
Inhalation	Sulfuric acid (7): LC50 Inhalation, 510 mg/m ³ (rat) 2h
Eye contact	Sulfuric acid (7): Eyes, Severe irritant 5mg (rabbit)
Skin Contact	No information available

SECTION 12: Ecological information

<u>Toxicity</u>	(7) Sulfuric acid LC50 42mg/L (96h, mosquito fish) EC50 >29mg/L (48h, daphnia)
<u>Persistence and degradability</u>	No information available

<u>Bio accumulative</u>	No information available
<u>potentialMobility in soil</u>	No information available
<u>Results of PBT and vPvB assessment</u>	No information available
<u>Other adverse effects</u>	No information available

SECTION 13: Disposal considerations

<u>Waste treatment methods</u>	The generation of waste should be avoided or minimized wherever possible. Waste packaging can be recycled. Empty plastic containers may retain some product residues. Dispose of in accordance with local regulations.
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SECTION 14: Transport information

ADR / IATA / DOT	Not Regulated. Not Dangerous Goods.
<u>Special precautions for user</u>	No information available
<u>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</u>	No information available

SECTION 15: Regulatory information

<u>Safety, health and environmental regulations/legislation specific for the substance or mixture</u>	
REACH Annex XIV: Authorization List (EU)	None of the components are listed
REACH Annex XVII: Restricted Substance List (EU)	None of the components are listed
TSCA Inventory (USA)	All components are listed or exempt
<u>Chemical safety assessment</u>	No information available

SECTION 16: Other information

Revision Date: 08 APR 2020

The information herein is believed to be correct as of the date hereof but is provided without warranty of any kind. The recipient of our products is responsible for observing any laws and guidelines applicable. Use only as directed on the enclosed package insert.
