



Section 1: Product Information

Product Name: ITSE Animal-Free
Product ID: 777ITS032

Section 2: Composition / Information on Ingredients

Substance Name: ITSE Animal-Free

CAS Number: None

Composition:	Insulin (human recombinant)	1.0 mg/mL
	Transferrin (human recombinant)	0.55 mg/mL
	Sodium Selenite	0.00067 mg/mL
	Ethanolamine	0.20 mg/mL

Section 3: Hazards Identification

Potential Health Effects

Eye

May cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

Skin

Unlikely to cause skin irritation or injury.

Swallowing

Swallowing this material is not likely to be harmful.

Inhalation

Inhalation of vapors is not likely to be harmful.

Symptoms of Exposure

No data

Target Organ Effects

No data



Developmental Information

There is no data available for assess risk to the fetus from maternal exposure to this material

Cancer Information

There is no information available. The chance of this material causing cancer is unknown. This material is not listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

Other Health Effects

This material can form dust which may cause skin or mucous membrane irritation. Symptoms include redness, burning and swelling. Although they may cause respiratory tract irritation, nuisance dusts do not form scar tissue or affect the structure of air spaces in the lungs. Their effects on the tissues are potentially reversible.

Primary Route(s) of Entry

Inhalation, Skin contact, Eye contact

Section 4: First Aid Measures

Oral Exposure

If swallowed, wash out mouth with water. If symptoms develop, seek medical attention.

Inhaled Exposure

If symptoms develop, move the individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek medical attention.

Dermal Exposure

First aid is not normally required. However, it is recommended that exposed area be cleaned by washing with soap and water.

Eye Exposure

If Symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Section 5: Fire Fighting Measures

Autoignition temp: N/A

Flammability: N/A

Extinguishing Media: Non-combustible. Use extinguishing media appropriate to surrounding fire conditions.

Firefighting: For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of the normal products of combustion or oxygen deficiency.

NFPA Rating

Health – 1, Flammability – 0, Reactivity – 0

Section 6: Accidental Release Measures

Personal Precautions: Wear chemical safety goggles, rubber boots, and heavy rubber gloves.

Methods for Cleanup: Absorb on sand or vermiculite and place in closed containers for disposal.

Section 7: Handling and Storage

There are no known problems with this material related to handling or storage at room temperature. Store in a cool dry place with container tightly closed. Store at 2 – 8 °C.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet facilities.

Section 8: Exposure Controls / Personal Protection

Engineering Controls: Mechanical Exhaust required.

Personal Protective Equipment: Other: Wear appropriate NIOSH/MSHA-approved respirator, chemical resistant gloves, chemical safety goggles, other protective clothing.

Section 9: Physical / Chemical Properties

Appearance: Clear liquid

Physical State: Liquid

Section 10: Stability and Reactivity

Stability: N/A

Hazardous Decomposition Products: Unknown

Hazardous Polymerization: Will not occur

Section 11: Toxicological Information

The toxicological properties of this material have not been tested and identified. It is unlikely that there will be any toxicological problems with this material. However, appropriate precautions should be taken for a material with "unknown" toxicological properties.

Routes of Exposure: Harm caused by inhalation, ingestion, or skin absorption is undetermined.

Conditions Aggravated by Exposure: The toxicological properties have not been thoroughly investigated.

Section 12: Ecological Information

No ecological data is available for this material.

Section 13: Disposal Considerations

Observe all federal, state, and local environmental regulations.



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Section 14: Transport Information

DOT: Proper shipping name: None.

Transport Hazard: This substance is considered to be non-hazardous for transport.

Section 15: Regulatory Information

Questions regarding this material should be directed to InVitria.

Phone: (800) 916-8311 Fax: (785) 238-5688

Address: 2718 Industrial Drive
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USA

Section 16: Other Information

ISO:9001 certified

Disclaimer: For R&D use only. Not for drug, household, or other uses.

Warranty: The above information is believed to be correct but doesn't purport to be all inclusive and shall be used only as a guide. Ventria Bioscience, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

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