

# Material Safety Datasheet (MSDS)



Updated: 03/18/2026

Regulation (EC) No. 1907/2006 and Regulation (EC) No. 2020/2008  
www.abmgood.com

Applied Biological Materials Inc.

1-3671 Viking Way,  
Richmond, BC, CANADA  
V6V 2J5

## Section 1 – Identification of Substances/Mixture and of the Company/Undertaking

### 1.1 Product identifier.

Product Name	Insulin Transferrin Sodium Selenite Plus Supplement (100X)
Product Code(s)	TM133
Chemical Name	Data not relevant for safe use at working concentration
Reach Number	A registration number is not required for this substance

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

Recommended Use	For research use only. Not for human or diagnostic use.
Uses advised against	No information available

### 1.3 Details of the supplier of the safety data sheet:

Supplier Name	Applied Biological Materials Inc.
Supplier Address	#1-3671 Viking Way Richmond BC V6V 2J5 CA
Supplier Phone Number	Tel: 604-247-2416 Fax: 604-247-2414
Supplier Email	<a href="mailto:technical@abmgood.com">technical@abmgood.com</a>

### 1.4 Emergency telephone number:

Emergency Phone	Use your national or local emergency number. Canada or USA: Emergency Services (dial 911, 24h service)
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## Section 2 – Hazards Identification

### 2.1 Classification of the substance or mixture.

Classification of substance according to Regulation (EC) No 1272/2008 (CLP)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

## 2.2 Label elements.

### Label elements according to Regulation (EC) No 1272/2008 (CLP)

Not a hazardous substance or mixture.

## 2.3 Other hazards.

No information available. Contains biological proteins (insulin, transferrin, BSA) that may cause allergic reactions in sensitive individuals.

## Section 3 – Composition/Information on Ingredients

### 3.1 Substances.

No components need to be disclosed according to the applicable regulations. The cell culture supplement contains a mixture of components that may include, but is not limited to: human insulin, human transferrin, sodium selenite, inorganic salts, vitamins, amino acids, carbohydrates, and other nutrients dissolved in water. The proteins present may cause allergic reactions in sensitive individuals.

## Section 4 – First Aid Measures

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, remove contact lens if applicable; consult a physician.
<b>Skin Contact</b>	Wash off with soap and plenty of water. Consult a physician.
<b>Inhalation</b>	If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. Do not induce vomiting unless directed to do so by physician.
<b>Most Important Symptoms and Effects, both Acute and Delayed</b>	No information available.
<b>Indication of any Immediate Medical Attention and Special Treatment Needed</b>	Treat symptomatically and supportively.

## Section 5 – Fire Fighting Measures

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, carbon dioxide, dry chemical powder, Halon (where regulations permit), or appropriate foam.
<b>Specific Hazards</b>	Thermal decomposition can lead to release of irritating and toxic gases and vapors.
<b>Advice for Firefighters</b>	Wear self contained breathing apparatus for firefighting if necessary. Use personal protection equipment.

<b>Further Information</b>	Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.
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## Section 6 – Accidental Release Measures

<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Advice for non-emergency personnel: Do not breathe vapors, aerosols. Evacuate the danger area; observe emergency procedures; consult an expert. For personal protection see section 8.
<b>Methods and Materials for Containment and for Cleaning Up</b>	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material. Dispose of properly in marked biohazard container. Clean up affected area.
<b>Environmental Precautions</b>	See Section 12.
<b>Reference to Other Sections</b>	For disposal see Section 13.

## Section 7 – Handling and Storage

### 7.1 Precautions for Safe Handling

**Advice on Safe Handling** Ensure adequate ventilation.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

### 7.2 Conditions for Safe Storage, including any Incompatibilities

**Storage Conditions** Keep container tightly closed. Keep at 2-8°C or -20 to -80°C; as indicated by product label.

### 7.3. Specific end use(s)

**Risk Management Methods (RMM)** The information required is contained in this Material Safety Data Sheet.

## Section 8 – Exposure Controls/Personal Protection

### 8.1. Control Parameters

<b>Exposure Limits</b>	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
<b>Derived No Effect Level (DNEL)</b>	No information available
<b>Predicted No Effect Concentration (PNEC)</b>	No information available

## 8.2. Exposure Controls

<b>Personal Protective Equipment</b>	<b>Eye/face Protection:</b> Use equipment for eye protection tested and approved under appropriate government standard safety glasses/goggles. <b>Skin and Body Protection:</b> Wear appropriate protective gloves and clothing to prevent skin exposure. <b>Respiratory Protection:</b> Not required; except in case of aerosol formation.
<b>Environmental Exposure Controls</b>	No information available

## Section 9 – Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

<b>Physical State</b>	Liquid
<b>Colour</b>	Data not relevant for safe use
<b>Odour</b>	Data not relevant for safe use

<b>Property</b>	<b>Values</b>	<b>Remarks/Method</b>
<b>Melting Point/Freezing Point (°C)</b>	Data not relevant for safe use	None known
<b>Boiling Point/Boiling Range (°C)</b>	Data not relevant for safe use	None known
<b>Flammability</b>	Data not relevant for safe use	None known
<b>Lower and Upper Exposure Limit</b>	Data not relevant for safe use	None known
<b>Flash Point</b>	Data not relevant for safe use	None known
<b>Auto-ignition Temperature</b>	Data not relevant for safe use	None known
<b>Flammability Limit in Air</b>	Data not relevant for safe use	None known
<b>Decomposition Temperature</b>	Data not relevant for safe use	None known
<b>pH</b>	Data not relevant for safe use	None known
<b>Kinematic Viscosity</b>	Data not relevant for safe use	None known
<b>Solubility</b>	Data not relevant for safe use	None known

<b>Partition coefficient: n-octanol/water</b>	Data not relevant for safe use	None known
<b>Vapour pressure</b>	Data not relevant for safe use	None known
<b>Density / Relative Density</b>	Data not relevant for safe use	None known
<b>Relative Vapour Density</b>	Data not relevant for safe use	None known
<b>Particle Characteristics</b>	Data not relevant for safe use	None known

## 9.2. Other Information

<b>Physical State Softening Point</b>	Data not relevant for safe use
<b>Colour Molecular Weight</b>	Data not relevant for safe use
<b>Odour VOC Content (%)</b>	Data not relevant for safe use
<b>Liquid Density</b>	Data not relevant for safe use
<b>Bulk Density</b>	Data not relevant for safe use
<b>Particle Size</b>	Data not relevant for safe use
<b>Particle Size Distribution</b>	Data not relevant for safe use

## Section 10 – Stability and Reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

Stable under normal conditions.

#### Explosion Data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

### 10.3. Possibility of hazardous reactions

<b>Possibility of Hazardous Reactions</b>	None under normal processing
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur

### 10.4. Conditions to avoid

Excess heat.

### 10.5. Incompatible materials

No information available.

#### **10.6. Hazardous decomposition products**

None under normal use conditions.

## **Section 11 – Toxicological Information**

### **11.1. Information on Toxicological Effects**

#### **Information on Toxicological Effects**

**Inhalation** Specific test data for the substance or mixture is not available

**Eye Contact** Specific test data for the substance or mixture is not available

**Skin Contact** Specific test data for the substance or mixture is not available

**Ingestion** Specific test data for the substance or mixture is not available

#### **Information on toxicological effects**

**Symptoms** No information available

#### **Numerical measures of toxicity**

**Acute Toxicity** No information available

**Unknown Acute Toxicity** No information available

#### **Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**

**Skin Corrosion/Irritation** No information available

**Serious Eye Damage/Eye Irritation** No information available

**Respiratory or Skin Sensitization** No information available

**Germ Cell Mutagenicity** No information available

**Carcinogenicity** No information available

**Reproductive Toxicity** No information available

**STOT - Single Exposure** No information available

**STOT - Repeated Exposure** No information available

**Aspiration Hazard** No information available

## Section 12 – Ecological Information

### 12.1. Toxicity

**Ecotoxicity** No ecological information available

### 12.2 Persistence and Degradability

**Persistence and Degradability** No information available

### 12.3 Bioaccumulative Potential

**Bioaccumulation** No information available

### 12.4 Mobility in Soil

**Mobility in Soil** No information available

### 12.5 Results of PBT and vPvB Assessment

**PBT and vPvB Assessment** No information available

### 12.6 Other Adverse Effects

**Other Adverse Effects** No information available

## Section 13 – Disposal Considerations

### 13.1 Waste Treatment Methods

**Waste from Residues/Unused Products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated Packaging** No information available

## Section 14 – Transportation Information

### IMDG

**14.1 UN Number** Not regulated

**14.2 Proper Shipping Name** Not regulated

**14.3 Hazard Class** Not regulated

**14.4 Packing group** Not regulated

**14.5 Marine Pollutant** Not applicable

**14.6 Special Provisions** None

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code** Not applicable

**RID**

**14.1 UN-No.** Not regulated

**14.2 Proper Shipping Name** Not regulated

**14.3 Hazard Class** Not regulated

**14.4 Packing Group** Not regulated

**14.5 Environmental hazard** Not applicable

**14.6 Special Provisions** None

**ADR**

**14.1 UN-No.** Not regulated

**14.2 Proper Shipping Name** Not regulated

**14.3 Hazard Class** Not regulated

**14.4 Packing Group** Not regulated

**14.5 Environmental Hazard** Not applicable

**14.6 Special Provisions** None

**IATA**

**14.1 UN Number** Not regulated

**14.2 Proper Shipping Name** Not regulated

**14.3 Hazard Class** Not regulated  
**Subsidiary Class** Not regulated

**14.4 Packing group** Not regulated

**14.5 Environmental Hazard** Not applicable

**14.6 Special Provisions** None

## **Section 15 – Regulatory Information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

### **European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV). This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

**Persistent Organic Pollutants**

Not applicable.

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable.

**International Inventories**

<b>TSCA</b>	Contact supplier for inventory compliance status
<b>DSL/NDSL</b>	Contact supplier for inventory compliance status
<b>EINECS/ELINCS</b>	Contact supplier for inventory compliance status
<b>ENCS</b>	Contact supplier for inventory compliance status
<b>IECSC</b>	Contact supplier for inventory compliance status
<b>KECL</b>	Contact supplier for inventory compliance status
<b>PICCS</b>	Contact supplier for inventory compliance status
<b>AICS</b>	Contact supplier for inventory compliance status

**Legend**

<b>TSCA</b>	United States Toxic Substances Control Act Section 8(b) Inventory
<b>DSL/NDSL</b>	Canadian Domestic Substances List/Non-Domestic Substances List
<b>EINECS/ELINCS</b>	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
<b>ENCS</b>	Japan Existing and New Chemical Substances
<b>IECSC</b>	China Inventory of Existing Chemical Substances
<b>KECL</b>	Korean Existing and Evaluated Chemical Substances
<b>PICCS</b>	Philippines Inventory of Chemicals and Chemical Substances
<b>AICS</b>	Australian Inventory of Chemical Substances

**15.2. Chemical safety assessment**

No information available.

