

Invent Biotechnologies, Inc.

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Material Safety Data Sheet

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SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Catalog No.
Minute™ Total Protein Extraction Kit for Skin Tissue	SA-01-SK
Minute™ Total Protein Extraction Kit for Bone Tissue	SA-02-BT
Minute™ Total Protein Extraction Kit for Blood Vessels	SA-03-BV
Minute™ Total Protein Extraction Kit for Tendons	SA-04-TD
Minute™ Total Protein Extraction Kit for Intestines and Mesentery	SA-05-IM
Minute™ Total Protein Extraction Kit for Muscles	SA-06-MT
Minute™ Total Protein Extraction Kit for Insects	SA-07-IS

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous/ Non-hazardous
Non-hazardous

SECTION 3 — HAZARDS IDENTIFICATION

Physical/chemical	Solutions and/buffers in the kits contain ionic or non-ionic detergent that are not hazardous at the concentration used. The buffer contain sodium and potassium salts that are non-toxic.
Potential health effects	Absorbed through skin. Dermal contact. Eye contact. Inhalation,. Ingestion
Carcinogenic effects	Not carcinogenic
Mutagenic effects	Not mutagenic
Reproduction toxicity	Not available
Teratogenic effects	Not available

SECTION 4 — FIRST AID MEASURE

Inhalation	If inhaled, remove to fresh air. If breathing is difficult, give oxygen and seek medical attention.
Ingestion	Do not induce vomiting unless directed to do so by medical personal. If large quantities of this material are swallowed, call a physician Immediately.
Skin contact	In case of contact, immediately flush the skin with plenty of water Remove contaminated clothes and shoes.
Eye contact	In case of contact, immediately flush eyes with plenty of water for at least 15 min. get medical attention.
Aggravating condition	Prolonged exposure is not known for aggravate medical condition.

SECTION 5 — FIRE FIGHTING MEASURES

Flammability Some components may be flammable
Extinguishing media water
Suitable

Hazardous N/A
Decomposition
Fire-fighting procedure

Protecting of fire-fighters N/A

SECTION 6 — ACCIDENTAL RELEASE MEASURE

Personal Precautions Splash goggles, full suit, boots and gloves. Consult a specialist.
Spill and leak Use appropriate tools to put the spilled solid in a convenient waste disposal container.

SECTION 7 — HANDLING AND STORAGE

Handling Wear gloves when handling the products

Storage Keep container tightly closed and store at room temperature.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering measures Use process enclosure, local exhaust ventilation, or other Engineering controls to keep airborne level recommended limits.

Hygiene measures Wash hands after handling the materials.

Personal protective equipment

Skin and body Lab coat

Eyes Safety glasses

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical state liquid

Color Not available

Molecular Weight Not available

Solubility Not available

Flash point Not available

Explosive properties Not available

SECTION 10 — STABILITY AND REACTIVITY

Stability The product is stable

Conditions to avoid Not available

Products of hazardous

Decomposition These products are carbon oxides (CO, CO₂), nitrogen oxides etc.

SECTION 11 — TOXICOLOGICAL INFORMATION

RTECS # N/A

Local effects

 Skin irritation Not available

Acute toxicity LD₅₀ and LC₅₀: Not available

Chronic toxicity Repeated or prolonged exposure is not known for aggravate

medical condition.

Other Toxic Effects	
on humans	Not available
Carcinogenic effects	Not available
Mutagenic effects	Not available
Reproduction toxicity	Not available
Teratogenic effects	Not available

SECTION 12 — ECOLOGICAL INFORMATION

Ecotoxicity	Not available
Toxicity of product of biodegradation	The product itself and its degradation products are not toxic.

SECTION 13 — DISPOSAL CONSIDERATIONS

Methods of disposal	Waste must be disposed of in accordance with federal, state, and local control regulations.
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SECTION 14 — TRANSPORT INFORMATION

IATA	
Proper shipping name	Not classified as dangerous in the meaning of transport regulations.
Hazard class	Not available
Subsidiary class	Not available
Packing group	Not available
Un-no	Not available

SECTION 15 — REGULATORY INFORMATION

EU regulation	
Risk phrases	This product is not classified according to the EU regulation.
U.S. Federal Regulations	This product is not regulated by SARA 313 This product does not contain HAPs.
HCS Classification	Not-controlled under the HCS (United States)
State regulations	
California Proposition 65	This product does not contain chemicals listed under proposition 65
WHMIS (Canada)	Non-controlled

SECTION 16 — OTHER INFORMATION

This product is sold for research use only. It is not intended for human or animal therapeutic or clinical diagnostic use. It is not intended for food, drug, household or cosmetic use. A technically competent individual must supervise the use of this product. The above product information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information is to be used as a guide and shall not be taken as being all inclusive. All materials and mixtures may be present unknown hazards and should be used with caution. Since Invent Biotechnologies Inc. cannot control the actual methods or conditions of use, the company shall not held responsible for any damages or losses resulting from contact with the product described herein. The information in this msds does not constitute a warranty, express or implied, including any implied warranty of merchantability or fitness for any particular purpose.

End of Safety Data Sheet

