

**Invent Biotechnologies, Inc.**

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**Material Safety Data Sheet**

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**SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

<b>Product Name</b>	<b>Product Cat#</b>
Minute™ Bacterial Total Protein Extraction Kit	SB-004
Minute™ Detergent-Free Protein Extraction Kit for Microbes with Thick Cell Walls	YD-016
Minute™ PCR Template Prep Kit	PC-020
Minute™ Protein Extraction kit for Hair and Nails	HD-021
Minute™ Detergent-Free Protein Extraction Kit	SN-006

**SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous/  
Non-hazardous  
Components Phosphate-buffered saline (10%)

**SECTION 3 — HAZARDS IDENTIFICATION**

Physical/chemical  
Hazards Harmful  
Human health hazards Harmful if swallowed, irritating to eye and skin  
NFPA rating (1-4) Health rating: 2, Reactivity rating: 1, contact rating: 3

**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 May be combustible at high temperature.

Extinguishing media  
Suitable Use dry chemical for small fire, for large fire, use water spray, fog or foam. Do not use water jet

Hazardous  
Decomposition These products are carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides etc.

Fire-fighting procedure Fire fighter should wear positive pressure self-contained breathing Apparatus and full turnout gear.

Protecting of fire-fighters Be sure to use approved/certified respirator or equipment.

**SECTION 6 — ACCIDENTAL RELEASE MEASURE**

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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**

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Handling	Keep away from heat and source of ignition. Empty containers pose a fire risk.
Storage	Keep container tightly closed and store at room temperature.

**SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION**

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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**

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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**

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Stability	The product is stable
Conditions to avoid	Not available
Products of hazardous Decomposition	These products are carbon oxides (CO, CO <sub>2</sub> ), nitrogen oxides etc.

**SECTION 11 — TOXICOLOGICAL INFORMATION**

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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**

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

**SECTION 13 — DISPOSAL CONSIDERATIONS**

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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**

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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**

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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**

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These products are sold for research use only. They are not intended for human or animal therapeutic or clinical diagnostic use. They are not intended for food, drug, household or cosmetic use. A technically competent individual must supervise the use of these products. 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**

