SAFETY DATA SHEET

MT-Trypsin

Version 1.1 Revised: March 8, 2024

SECTION 1. IDENTIFICATION

Product name	MT-Trypsin

Manufacturer or supplier's details

Company	Impact Proteomics, LLC
Telephone	(412) 206-9735
Responsible Department	Impact Proteomics, LLC 1406 Browning Rd. Pittsburgh PA USA Tel: (412) 206-9735
Email address	info@impactproteomics.com
Emergency telephone	1-800-255-3924 ChemTel Chemical Emergency Response Hotline

Recommended use of the chemical and restriction on use

Recommended use	Laboratory chemicals

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not a hazardous substance or mixture

GHS Label elements, including precautionary statements

Not a hazardous substance or mixture

Hazards not otherwise classified (HNOC) or not covered by GHS

Not a hazardous substance or mixture

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture	Mixture
Substance Name	MT-Trypsin

Component	Classification	Concentration
Ammonium hydrogen carbonate CAS-No. 1066-33-7	N/A	<5%

No other components need to be disclosed according to the applicable regulations

SECTION 4. FIRST AID MEASURES

General advice	Show this material safety data sheet to the doctor in attendance.
If inhaled	Not expected to be an inhalation hazard under anticipated conditions of normal use.
In case of skin contact	Wash off immediately with soap and water.
In case of eye contact	Remove contact lenses. Rinse thoroughly with plenty of water for at least 15 minutes.
If swallowed	Not expected to present a ingestion hazard under anticipated conditions of normal use. Seek medical advice if you feel unwell.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water spray, carbon dioxide (CO2), foam, dry chemical.
Specific hazards during firefighting	Carbon oxides, nitrogen oxides (NOx).
Hazardous combustion products	No hazardous combustion products are known.
Futher information	N/A

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation. Always wear recommended personal protective equipment. See section 8 for more detail.
Methods and materials for containment and cleaning up	Keep in suitable, closed containers for disposal.
Environmental precautions	No special environmental precautions required.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling	Always wear personal protective equipment. No special handling advice is required.
Conditions for safe storage, including any incompatibilities	Store in a dry, cool, well-ventilated area.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Ingredients with workplace control parameters: Contains no substances with occupational exposure limit values.

Exposure Controls

Occupational exposure controls: Contains no substances with occupational exposure limit values.

Personal protective equipment
Wear protective gloves and eye protection.

Eye protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses.
Skin and body protection	Choose body protection according to the amount and concentration of the dangerous substance at the workplace. Footwear protecting against chemicals.
Hygiene measures	Keep away from food and drink.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light pink, clear
Physical state	Liquid
Odor	No data available
Odor Threshold	No data available
pH	No data available
Melting point/range	No data available
Boiling point/range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid gas)	No data available
Explosion limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Density	No data available
Partition coefficient	No data available
Solubility in water	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	None known.
Chemical stability	This product is chemically stable under standard ambient conditions.
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No data available.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity	No data available.
Irritation	No data available
Corrosivity	No data available
Sensitization	No data available
Repeated dose toxicity	No data available
Carcinogenicity	No data available
Mutagenicity	No data available
Specific Target Organ Toxicity from single exposure	No data available
Specific Target Organ Toxicity from Repeated Exposure	No data available
Aspiration hazard	No data available
Additional toxicology information	No data available

SECTION 12. Ecological Information

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Other adverse effects	No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Waste from residues/unused product	Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

SECTION 14. TRANSPORT INFORMATION

Transportation by land – Department of Transportation (DOT, United States of America)

UN number	N/A
UN proper shipping name	N/A
Transport hazard class	N/A
Packaging group	N/A
Reportable Quantity (RQ)	N/A

Transportation by air – International Air Transport Association (IATA)

UN number	N/A
UN proper shipping name	N/A
Transport hazard class	N/A
Packaging group	N/A

SECTION 15. REGULATORY INFORMATION

Occupational Safety and Health Administration Hazards

Not listed

SARA 304 Extremely Hazardous Substances Reportable Quantity

This product is not regulated by SARA.

SARA 313 Toxic Release Inventory (TRI)

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Proposition 65

This product does not contain any Proposition 65 chemicals.

SECTION 16. OTHER INFORMATION

Document Revision

Last Revision Date: 3/8/24

Full text of other abbreviations

(Q)SAR - (Quantitative) Structure Activity Relationship; ASTM - American Society for the Testing of Materials; bw - Body weight; DIN - Standard of the German Institute for Standardization; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organization for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); AICS - Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; DOT - Department of Transportation; EHS - Extremely Hazardous Substance; HMIS - Hazardous Materials Identification System; MSHA - Mine Safety and Health Administration; NFPA - National Fire Protection Association; RCRA - Resource Conservation and Recovery Act; RQ - Reportable Quantity; SARA - Superfund Amendments and Reauthorization Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP - Good Laboratory Practice; ERG - Emergency Response Guide; NTP - National Toxicology Program; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods

DISCLAIMER

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and Impact Proteomics, LLC. assumes no legal responsibility or liability whatsoever resulting from its use.