

SAFETY DATA SHEETIB05406 – PROTEINASE K SOLTION (*RECOMBINANT*)

7445 Chavenelle Road ■ Dubuque, IA 52002

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Rev. 7

1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND THE COMPANY/UNDERTAKING

Product Name: Proteinase K (*Recombinant*)
Product Code: IB05406
Recommend Use: For further manufacturing use only
Uses Advised Against: Not for human or animal drug use
Company: IBI SCIENTIFIC
 7445 Chavenelle Road
 Dubuque, IA 52002
Emergency Tele. Number: 3E Company (Acct# 9027) 1-800-451-8346 / (001) 760-602-8703
Company Tele. Number: 1-800-253-4942 / (001) 563-690-0484
E-Mail Address: info@ibisci.com

2. HAZARDOUS IDENTIFICATION**GHS – Classification****Classification:** Not classified as a hazard**3. COMPOSITION/INFORMATION ON INGREDIENTS****Chemical Name:** No components need to be disclosed according to the applicable regulations.**4. FIRST AID MEASURES**

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact: Wash off immediately with soap and plenty of water, removing all contaminated clothes and shoes.
Inhalation: Move to fresh air. If not breathing, give artificial respiration. If symptoms arise, call a physician.
Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth.
Notes to Physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammable Properties: Not flammable
Flash Point: Not determined
Suitable Extinguishing Media: Dry chemical, CO₂, water spray, regular foam
Hazardous Combustion Products: No data available
Explosion Data
 Sensitivity to Mechanical Impact: Not sensitive
 Sensitivity to Static Discharge: Not sensitive

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Protective Equip. & Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equiv.) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Ensure adequate ventilation, especially in confined areas.
Environmental Precautions: See Section 12 for additional ecological information.
Methods for Containment: Prevent further leakage or spillage, if safe to do so.
Methods for Cleaning Up: Avoid mist/spray. Absorb material in vermiculite or Pick up and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

Handling: Handle in accordance with good industrial hygiene and safety practice. Protect from light and moisture.
Storage: Keep container tightly closed in a dry, cool, and well-ventilated place. Protect from light and moisture.
Incompatible Products: None known based on information supplied.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures: Showers, Eyewash Stations, Ventilation Systems

Personal Protective Equipment

Eye/Face Protection: Avoid contact with eyes. Safety glasses with side shields.
Skin & Body Protection: Wear protective gloves/clothing.
Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solution
Odor: Not detectable
Odor Threshold: No information available
Decomposition Temp. °C: No information available
Freezing Point: No information available
Initial Boiling Point: No information available
Physical State: Solution
pH: No data available
Flash Point: Not determined
Autoignition Temp. °C: No data available
Boiling Point/Range: No data available
Melting Point/Range: No data available
Flammability Limits (Air): Upper-No data available * Lower-No data available
Explosion Limits No information available
Explosive Properties: No information available
Oxidizing Properties: No information available
Evaporation Rate: No information available
MMHG @ 37.8°C: No data available
Vapor Density: No data available
Specific Gravity: No data available

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Water Solubility:	100% soluble
Solubility in other solvents:	No data available
Partition Coefficient (n-octanol/water):	No data available
Viscosity:	No information available

10. STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical Stability:	Stable under recommended storage conditions
Possibility of Hazardous Reactions:	None under normal processing
Incompatible Products:	Strong oxidizing agents
Conditions to Avoid:	No data available
Hazardous Decomposition Products:	In the event of fire see section 5.
Hazardous Polymerization:	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information:	Sensitizer:	There is no data available for this product
	Inhalation:	There is no data available for this product
	Eye Contact:	There is no data available for this product
	Skin Contact:	There is no data available for this product
	Ingestion:	There is no data available for this product

Information on toxicological effects

Symptoms: No information available.

Delayed and immediate effects as well as chronic effects from short and long term exposure

Skin Corrosion/Irritation	Irritating to skin
Serious Eye Damage/Irritation	Irritating to eyes
Sensitization:	May cause sensitization by inhalation. Prolonged or repeated exposure can cause asthma.
Mutagenic Effects:	No information available
Carcinogenicity:	No information available
Reproductive Toxicity:	No information available
STOT – single exposure:	No information available
STOT – repeated exposure:	No information available
Target Organs:	No information available
Aspiration Effects:	No information available

Numerical measures of toxicity – Product Information

12. ECOLOGICAL INFORMATION

Ecotoxicity:	No information available
Persistence and Degradability:	No information available
Bioaccumulation/Accumulation:	No information available
Other Adverse Effects:	No information available

13. DISPOSAL CONSIDERATIONS

Water Disposal Method:	Dispose of material in accordance with all federal, state, and local regulations.
Contaminated Packaging:	Do not re-use empty containers. Dispose of as unused product.

14. TRANSPORT INFORMATION**IATA**

Not regulated

US DOT

Not regulated

15. TOXICOLOGICAL INFORMATION**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act & Title 40 of the Code of Federal Regulations, part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. Right-to-Know Regulations**U.S. EPA Label Information**

EPA Pesticide Registration #: Not applicable.

Canada

No information available

16. OTHER INFORMATION

Issuing Date: 29-Dec-1997

Revision Date: 23-Mar-2021

Revision Note: Material change

Recommended Restrictions: No information available

Disclaimer: The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release; and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the test.

End of Safety Data Sheet