

MATERIAL SAFETY DATA SHEET

Colipase Ex. Porcine pancreas

Section 1: Product and Company Identification

Material name	Colipase Ex. Porcine pancreas	
Synonyms	Colipase	
Product No.	70-6254-01	
Product description	Aqueous solution containing polypeptide cofactor for pancreatic lipase and salt.	
Product use	For in vitro reagent use.	
Emergency Telephone Numbers	Manufacturer/Distributor	Corporate Headquarters/Distributor
Americas: +1-760-476-3962	Sekisui Diagnostics (UK) Ltd	Sekisui Diagnostics LLC
Europe, Middle East	50 Gibson Drive	31 New York Avenue
& Africa: +1-760-476-3961	Kings Hill, West Malling	Framingham, MA 01701
Asia Pacific: +1-760-476-3960	Kent ME19 4AF UK	USA
Access code: 333512	Phone: 44 (0) 1732 220022	Phone: 508-661-1835

Section 2: Hazards Identification

OSHA regulatory status	This preparation is not classified as hazardous under U.S. OSHA 29 CFR 1910.1200; E.C. Directive 1999/45/EC; Canadian R.S. 1985, c. H-3; U.K. CHIP 2002 No. 1689; and/or U.N. GHS ST/SG/AC 10/30. None of the components present in this preparation at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.
Precautionary statements	The chemical, physical and toxicological properties of this preparation have not been thoroughly characterized. Avoid contact with eyes and skin. Do not ingest or inhale. The porcine pancreatic extract used to make this product is of U.S. origin. Preparation appearance: clear, (frozen) liquid.
Potential health effects:	
Routes of exposure	Occupational exposure routes may include eye and skin contact.
Eyes	No data available. Eye exposure may cause redness and watering.
Skin	No data available. Skin contact is not expected to cause irritation.
Inhalation	No data available. Inhalation is not expected to produce adverse health effects.
Ingestion	No data available.
Chronic effects	No data available.
Target organs	Unknown.
Potential environmental effects	None expected.

Section 3: Composition / Information on Ingredients

Ingredient Name	CAS #	EC #	% (wt/wt)
Water	7732-18-5	231-791-2	> 98
EC R-Phrases: None	EC Hazard Class: None		
Sodium chloride	7647-14-5	231-598-3	< 1
EC R-Phrases: None	EC Hazard Class: None		
Colipase (pancreatic lipase cofactor)	55126-92-6	259-490-1	< 1
EC R-Phrases: None	EC Hazard Class: None		

NOTE - Colipase - Source: Porcine pancreas

Section 4: First Aid Measures

First aid procedures:	
Eye contact	Immediately flush eyes with plenty of tepid water for 15 minutes while separating eyelids with fingers. Remove contact lenses if worn. Obtain medical attention if needed or if symptoms, such as redness or irritation persist.
Skin contact	In case of contact, flush skin with copious amounts of cool water and remove contaminated clothing. Obtain medical attention if needed or if irritation or other symptoms develop.
Inhalation	If inhaled, move from exposure area to fresh air. Seek medical attention if breathing becomes difficult or if cough or other symptoms develop.
Ingestion	In case of ingestion, contact a poison control center or physician for instructions.

MATERIAL SAFETY DATA SHEET

Colipase Ex. Porcine pancreas

Section 5: Fire Fighting Measures

Flammable properties	Aqueous solution not considered a fire hazard.
Suitable extinguishing media	Use extinguishing media suitable for surrounding fire, such as carbon dioxide, chemical foam, dry chemical or water spray.
Unsuitable extinguishing media	Unknown.
Specific hazards arising from the chemical	None expected.
Standard protective equipment and precautions for firefighters	Firefighters should wear NIOSH-approved or equivalent Self-Contained Breathing Apparatus and full protective gear.

Section 6: Accidental Release Measures

Personal precautions	Wear Personal Protective Equipment (PPE) as indicated in Section 8. Avoid physical contact with material. Wash hands thoroughly after handling.
Environmental precautions	No information available.
Methods and materials for containment and clean-up	Absorb spill with inert material/sorbent. Decontaminate the spill site following standard procedures. Dispose of materials in accordance with all applicable federal, state, local and provincial environmental regulations, per Section 13.

Section 7: Handling and Storage

Handling	Follow good laboratory hygiene practices. See Section 8, Engineering Controls. Minimize contact and contamination of personal clothing and skin. Wash hands thoroughly after handling.
Storage	Store at -20°C (-4°F).

Section 8: Exposure Controls / Personal Protection

Engineering controls	This preparation is aqueous and non-volatile and is not expected to require special ventilation measures. Facilities storing or using this preparation should be equipped with an eyewash fountain.
Personal protective equipment:	
Eye / face protection	Wear appropriate protective chemical safety glasses.
Skin protection	Wear lab coat or other protective garments. Remove contaminated clothing promptly.
Hand protection	Wear chemical resistant protective gloves.
Respiratory protection	A respirator is not required under normal conditions of use.
General	Follow company-specific safety procedures.

Section 9: Physical and Chemical Properties

Appearance	Clear, (frozen) liquid
Odor	Odorless
pH	6.0 - 8.0
Melting point/Freezing point	Not applicable / Not available
Boiling point	Not available
Evaporation rate	Not available
Viscosity	Not available
Flash point	Not available
Flammability/explosivity limits in air, upper	Not available
Flammability/explosivity limits in air, lower	Not available
Vapor pressure	Not available
Vapor density	Not available
Solubility	Water-soluble
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not applicable

MATERIAL SAFETY DATA SHEET

Colipase Ex. Porcine pancreas

Section 10: Chemical Stability and Reactivity Information

Possibility of hazardous reactions	Hazardous polymerization will not occur.
Chemical stability	Stable under ordinary conditions of use and storage. See Section 7.
Conditions to avoid	There are no physical conditions known to result in a hazardous situation.
Hazardous decomposition products	None expected under normal conditions of use.

Section 11: Toxicological Information

Acute effects	No data available.
Local effects	No data available.
Chronic effects	No data available.
Sensitization	No data available.
Carcinogenicity	No data available.
Mutagenicity	No data available.
Reproductive effects	No data available.

Section 12: Ecological Information

Ecotoxicity	No data available.
Persistence and degradability	No data available.
Bioaccumulation potential	No data available.
Mobility in environmental media	No data available.

Section 13: Disposal Considerations

Methods of disposal	Dispose of unused product, spilled material and waste in accordance with all applicable federal, state, local and provincial environmental and hazardous waste regulations.
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Section 14: Transport Information

Basic shipping description	Not classified as dangerous goods. Not regulated per IATA and DOT regulations.
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Section 15: Regulatory Information

US Federal Regulations:

This preparation is not subject to any U.S. federal hazardous chemical regulations.

International Regulations:

This preparation is not subject to any international hazardous chemical regulations.

Canadian Hazardous Products

WHMIS Status Non-controlled

European Communities Dangerous Substances/Preparations

EC Hazard Class None

Risk Phrases None

Safety Phrases None

MATERIAL SAFETY DATA SHEET

Colipase Ex. Porcine pancreas

Section 16: Other Information

Further Information:

This MSDS has been prepared in accordance with the ANSI Z400.1 format. Every effort has been made to adhere to the hazard criteria and content requirements of the U.S. OSHA Hazard Communication Standard, Canadian Controlled Products Regulation (CPR), UK Chemical Hazard Information and Packaging Regulations, European Communities REACH Regulation, and UN Globally Harmonized System of Classification and Labelling of Chemicals.

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