

Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006

updated: 08/2016

Version: 2.2

Section I - Product and Company Information

Product Name	Human Insulin
Product Number	C-52310
Product Classification	Cell Culture Reagents
Company and Contact Information	PromoCell GmbH Sickingenstrasse 63/65 69126 Heidelberg Germany Phone: +49 6221 - 649 34 0 E-mail: info@promocell.com

Section II - Potential Hazards Information

This product does not contain hazardous ingredients according to Regulation (EC) No. 1272/2008.

Section III - Formulation and Ingredients Information

Product Name	Human Insulin
CAS - No.	None
EC - No.	None

Section IV - First Aid Measures

In Case of Contact with Eyes	Flush thoroughly with water and contact a physician.
In Case of Accidental Swallowing	Rinse the mouth with fresh water, provided the person is conscious. Contact a physician.
In Case of Inhalation	Remove to fresh air. Give oxygen if breathing becomes difficult. Contact a physician.
In Case of Contact with Skin	Wash the affected area with soap and copious amounts of water. Should irritation occur, contact a physician.

Section V - Fire-Fighting Measures

Suitable Extinguishing Media	Water spray, carbon dioxide, dry chemical powder, or appropriate foam.
Special Protective Equipment for Fire-Fighting	If necessary use self-contained breathing apparatus.

Section VI - Accidental Release Measures

Methods for Cleaning Spills	Wear chemical-resistant gloves and safety-goggles. Wipe up spilled product using tissue-towels. Place waste in closed containers for disposal.
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Section VII - Handling and Storage

Handling	Avoid contact with eyes, skin, mucous membranes, and clothing.
Storage	Keep tightly closed. Protect from light. Store at +4 to 8°C.

Section VIII - Personal Protection and Exposure Control Information

Eye Protection	Safety glasses or goggles
Protective Gloves	Chemical-resistant gloves
Respiratory Protection	Not required
Ventilation	Not required
Other Protection Equipment	Safety shower and eye bath

As a general hygiene measure, wash hands thoroughly after handling.

Section IX - Physical and Chemical Properties

Physical State	Solid
Appearance	Lyophilized powder
pH	7.2 - 7.4
Flash Point	N/A
Flammability	N/A
Oxidizing Properties	N/A
Explosive Properties	N/A
Vapor Pressure	N/A

Section X - Chemical Stability and Reactivity

Product is stable. Hazardous polymerization will not occur.

Section XI - Toxicological Data

To the best of our knowledge, the chemical, physical, toxicological properties have not been thoroughly investigated. May cause skin irritation. May be harmful if absorbed through the skin. May cause eye irritation. May be harmful if inhaled swallowed. Material may be irritating to mucous membranes upper respiratory tract.

Section XII - Ecological Information

No data available.

Section XIII - Disposal

Follow all federal, state, and local environmental regulations for disposal.

Section XIV - Transport Information

This product is not subject to any transport regulations.

Section XV - Classification and Regulatory Information

In accordance to current EC-Regulations this product is exempt from specific labelling requirements.

Section XVI - Other Information / Disclaimer

The information, data, recommendations contained herein are believed to be accurate but may not be all-inclusive should only be used as a guide. PromoCell GmbH makes no warranty of any kind whatsoever with respect thereto disclaims all liability from reliance thereon. We reserve the right to revise this MSDS periodically as new information becomes available.

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