

Material Safety Data Sheet

according to EC-Regulation No. 1272/2008

updated: 03/2016

Version: 1.0

Section I - Product and Company Information

Product Name	PromoFectin-Macrophage
Product Number	PK-CT-2000-MAC-10
Product Classification	Cell Biology Reagents
Company and Contact Information	PromoCell GmbH Sickingenstrasse 63/65 69126 Heidelberg Germany Phone: +49 6221 - 649 34 0 E-mail: info@promokine.info

Section II - Potential Hazards Information

Classification of substance or mixture	Not a hazardous substance or mixture.
GHS classification	Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008.
GHS labeling	Does not need to be labeled in accordance with EC directives or respective national laws.
Special hazards	None.

Section III - Formulation and Ingredients Information

Ingredients: This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

Section IV - First Aid Measures

In Case of Contact with Eyes	May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.
In Case of Accidental Swallowing	No recognized ingestion hazard. If swallowed, rinse the mouth with fresh water, drink plenty of water provided the person is conscious. Get immediate medical attention.
In Case of Inhalation	No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
In Case of Contact with Skin	May cause skin irritation. Immediately flush with plenty of water. Should irritation occur, contact a physician.

Section V - Fire-Fighting Measures

Classification of substance or mixture	The product is non-flammable.
Suitable Extinguishing Media	Water spray, alcohol-resistant foam, dry chemical powder or carbon dioxide.
Special Protective Equipment for Fire-Fighting	If necessary, use self-contained breathing apparatus.

Section VI - Accidental Release Measures

Personal precautions:	Use eye protection, chemical-resistant gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.
Methods for clean up:	Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

Section VII - Handling and Storage

Handling	Avoid inhalation. Avoid contact with eyes, skin, mucous membranes, and clothing.
Storage	Keep tightly closed. Store at +4°C to -20°C until use.
Additional information	See product data sheet for more information on handling and storage.

Section VIII - Personal Protection and Exposure Control Information

Control parameters: Contains no substances with occupational exposure limit values.

Engineering controls: Ensure adequate ventilation. Use appropriate personal protective work clothing. As a general hygiene measure, wash hands thoroughly after handling.

Eye Protection	Wear appropriate eye protection such as safety glasses or goggles.
Skin Protection	Wear protective chemical-resistant gloves.
Inhalation	Respiratory equipment is not required.
Ventilation	Not required.
Other Protection Equipment	Safety shower and eye bath.

Section IX - Physical and Chemical Properties

Physical State	Solid, lyophilized powder or liquid (see respective data sheet)
Appearance	Thin, invisible film or clear solution
Odor	None
pH	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Melting/Freezing Point	N/A
Flash Point UEL/LEL	Not established
Evaporation Rate	Undetermined
Flammability	Non-flammable material
Solubility	N/A
Viscosity	N/A
Specific Gravity (water = 1)	N/A
Volatile %	N/A
Water Content	N/A
Decomposition Temperature	Not established
Autoignition Temperature	N/A
Oxidizing Properties	N/A
Explosive Properties	N/A
VOC Content	N/A

Section X - Chemical Stability and Reactivity

Stability	Stable under recommended storage conditions.
Conditions to avoid	Heat and moisture.
Materials to avoid	Strong oxidizing agents.
Hazardous decomposition	None determined.
Hazardous polymerization	Does not spontaneously polymerize.

Section XI - Toxicological Data

Potential health effects:

Eye contact	May cause eye irritation.
Skin contact	May cause skin irritation. May be harmful if absorbed through the skin.
Inhalation	May be harmful if inhaled. May be irritating to mucous membranes and upper respiratory tract.
Ingestion	May be harmful if swallowed.
Carcinogenicity	None
Reproductive toxicity	None
Mutagenicity	None
Sensitization	None

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section XII - Ecological Information

Ecotoxicity	Undetermined
Biodegradability	Undetermined
Mobility	Undetermined
Bioaccumulation	Undetermined

Section XIII - Disposal

Observe all federal, state, and local environmental regulations for disposal. Contact a licensed professional waste disposal service to dispose of this material.

Section XIV - Transport Information

This product is not subject to any transport regulations.

DOT Hazard class	Non-hazardous for transport.
IATA Hazard class	Non-hazardous for transport.
IMDG Hazard class	Non-hazardous for transport.

Section XV - Classification and Regulatory Information

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

US Federal and State Regulations:

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.

US Inventory/TSCA (Toxic Substances Control Act): Not listed on inventory

OSHA Hazard Communication Standard: Non-hazardous

California Proposition 65: Not listed on California's listing of known or potential carcinogens.

Additional Regulations:

WHMIS Controlled Product Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

EC Inventory (EINECS/ELINCS): Not determined

Japan Inventory (MITI): Not determined

Australia Inventory (AICS): Not determined

Korea Inventory (ECL): Not determined

Canada Inventory (DSL): Not determined

Philippine Inventory (PICCS): Not determined

Section XVI - Other Information / Disclaimer

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

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