

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH)

Version 3 Authorization Date: June, 9th, 2016

Biotin-PEG18-NHS

Section 1: Identification of Chemical Product and Company

Product no.	Biotin-PEG18-NHS
Company	Johannes Kepler University, Institute of Biophysics, Gruberstr. 40, 4020 Linz, Austria, Europe
Contact	Tel: (+43)732 2468 7597, (+43) 650 34 26 048 Email: hermann.gruber@jku.at

Section 2: Hazard Identification

Emergency telephone number 24h	Tel: (+43) 1 406 43 43 Vergiftungsinformationszentrale
Main Hazard	n/a
Health Effects	Eyes: Unknown Skin: Unknown Inhalation: Unknown Ingestions: Unknown

Section 3: Composition / Information on Ingredients

Molecular Formula	C ₅₉ H ₁₀₆ N ₄ O ₂₇ S
Molecular Weight	1335.6
CAS Number	n/a
	The chemical properties are expected to be identical to those of CAS No. 565471-88-7 which consists of a very similarpoly(ethylene glycol) chain with the same functional groups on both ends.

Section 4: First Aid Measures

Eyes	Flush with copious amounts of water for 10 minutes, separating eyelids with fingers. Call a physician.
Skin	Flush with copious amounts of water for 15 minutes.
Ingestion	Wash out mouth with water. Call a physician.
Inhalation	Move into fresh air. If breathing becomes difficult call a physician.

Section 5: Fire Fighting Measures

Extinguisher Medium	CO ₂ , foam, powder
Protective Equipment for Fire Fighting	Wear self contained breathing apparatus for fire fighting if necessary. Keep a safe distance from the fire when extinguishing.

Section 6: Accidental Release

Personal Precautions	Wear suitable protective clothing when handling material. Avoid breathing vapors, mist or gas.
Environmental Precautions	Do not allow product to enter drains.

Section 7: Handling and Storage

Handling	Wear latex laboratory gloves and a lab coat.
Storage	-20°C. Let warm to room temperature before opening the container. After opening, carefully reseal the container and store in a box over desiccant..

Section 8: Exposure Controls/Personal Protection

Respiratory Protection	Required when vapours/aerosols are generated.
Hand Protection	Latex gloves
Eye Protection	Safety goggles should be worn.
Other Protective Equipment	Wear a lab coat.
Hygiene Measures	General industrial hygiene practice.

Section 9: Physical and Chemical properties

Form	Solid
Color	White
pH	data not available
Melting Point	data not available
Boiling Point	data not available
Flash Point	data not available
Ignition Point	data not available
Water Solubility	data not available

Section 10: Stability and Reactivity

Storage Stability	Stable under recommended storage conditions
Materials to Avoid	Strong oxidizing agents
Hazardous Decomposition Products	See section 5 in case of fire.

Section 11: Toxicological Information

Acute Toxicity	no data available
Irritation and Corrosion	no data available
Sensitisation	no data available

Section 12: Ecological Information

Persistence/Degradability	no data available
Ecotoxicity Effects	no data available
Further Information on Ecology	no data available

Section 13: Disposal Considerations

Destruction	Dissolve or mix the material with a combustible solvent and burn in achemical incinerator equipped with an afterburner and scrubber.
Note	Observe all federal, state, and local environment regulations.

Section 14: Transportation Information

RID/ADR	Non-hazardous for road freight
IMDG	Non-hazardous for sea freight
ICAO/IATA	Non-hazardous for air freight

Section 15: Regulatory Information

Labelling	According to EC Directives
Additional Labelling	Caution! Substance not yet fully tested.

Section 16: Other Information

It is recommended that persons using this substance or material are fully acquainted with the hazards/safety in use procedures before handling.