

## Safety Data Sheet

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Classification according to Regulation (EC) No. 1272/2008 [CLP]

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### Product identifier

<b>Product code</b>	10004D
<b>Product name</b>	Dynabeads™ Protein G
<b>Unique Formula Identifier (UFI)</b>	Not Applicable
<b>Chemical Name</b>	Not Applicable
<b>REACH registration number</b>	No registration number is given yet for this substance / substances in this mixture since the annual import quantity is less than one tonnage per annum or the transition period for its registration according to Article 23 of REACH has not yet expired.

#### Relevant identified uses of the substance or mixture and uses advised against

<b>Relevant identified uses</b>	For research use only. Not for use in diagnostic procedures
<b>Use Description Code</b>	SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen), PROC15 - Use as laboratory reagent, PC21 - Laboratory chemicals, SU24 - Scientific research and development
<b>Uses advised against</b>	Not for consumer use.

#### Details of the supplier of the safety data sheet

##### Manufacturer / Supplier

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#### Emergency telephone number

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**24 hour Emergency Response for Hazardous Materials** Within the USA + Canada: 1-800-424-9300 and  
**[or Dangerous Goods] Incident. Spill, Leak, Fire,** 1-703-527-3887  
**Exposure, or Accident. Call CHEMTREC** Outside the USA + Canada: 1-703-741-5970

**Country Specific Emergency Number (if available):**

CHEMTREC Ireland (Dublin) +(353)-19014670 (Greeting Language: English and Irish)  
CHEMTREC UK (London) +(44)-870-8200418 (Greeting Language: English)

SECTION 2: Hazards identification

**Classification of the substance or mixture**

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

**Physical hazards**

Not Hazardous

**Health hazards**

Not Hazardous

**Environmental hazards**

Not Hazardous

**Additional information**

Not Applicable

**Label elements**

**Labelling according to Regulation (EC) No 1272/2008 [CLP]**

**Hazard pictograms**

None

**Signal Word**

None

**Hazard Statements**

Not Applicable

**EU Specific Hazard Statements**

Not Applicable

**Precautionary Statements**

**Prevention**

Not Applicable

**Response**

Not Applicable

**Storage**

Not Applicable

**Disposal**

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Not Applicable

**Other hazards**

Not Applicable

SECTION 3: Composition/information on ingredients

**Mixtures**

We recommend handling all chemicals with caution.

Chemical Name	CAS No	EINECS-No.	Weight-%	REACH registration number	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium azide	26628-22-8	247-852-1	<0.1%	-	-

Chemical Name	Specific concentration limit (SCL)	M-Factor	Acute Toxicity Estimate
Sodium azide	-	-	-

SECTION 4: First aid measures

**Description of first aid measures**

<b>Skin contact</b>	Rinse skin with water. Immediate medical attention is not required.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Ingestion</b>	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
<b>Inhalation</b>	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
<b>Notes to Physician</b>	Treat symptomatically.

**Most important symptoms and effects, both acute and delayed**

Not Applicable

**Indication of any immediate medical attention and special treatment needed**

None.

SECTION 5: Firefighting measures

**Extinguishing media**

<b>Suitable extinguishing media</b>	Water spray. Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical.
<b>Unsuitable extinguishing media</b>	No information available.

**Special hazards arising from the substance or mixture**

Not known

**Advice for firefighters**

Standard procedure for chemical fires.

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## SECTION 6: Accidental release measures

### **Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation  
Always wear recommended Personal Protective Equipment  
Use personal protection equipment  
See section 8 for more information

### **Environmental precautions**

No special environmental precautions required.

### **Methods and material for containment and cleaning up**

Soak up with inert absorbent material.

### **Reference to other sections**

See section 8 for more information.

## SECTION 7: Handling and storage

### **Precautions for safe handling**

Use personal protective equipment as required. No special handling advices are necessary.

### **Conditions for safe storage, including any incompatibilities**

Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.

### **Specific end use(s)**

For research use only. Not for use in diagnostic procedures.

## SECTION 8: Exposure controls/personal protection

### Control parameters

Chemical Name	EU OEL (TWA)	EU OEL (STEL)	EU Skin Notation
Sodium azide 26628-22-8	None	None	None
Chemical Name	Austria	Belgium (TWA)	Czech Republic
Sodium azide 26628-22-8	0.1 mg/m <sup>3</sup>	None	0.1 mg/m <sup>3</sup> TWA 0.3 mg/m <sup>3</sup> Ceiling Irritant Potential for cutaneous absorption
Chemical Name	Denmark (TWA)	Finland OEL (TWA)	France OEL (VME)
Sodium azide 26628-22-8	0.1 mg/m <sup>3</sup>	None	0.1 mg/m <sup>3</sup>
Chemical Name	Germany OEL (TWA)	Ireland (TWA)	Italy OEL (TWA)
Sodium azide 26628-22-8	0.2 mg/m <sup>3</sup> exposure factor 2	0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>
Chemical Name	Lithuania OEL (TWA)	Netherlands OEL (MAC)	Norway
Sodium azide 26628-22-8	0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup> TWA 0.3 mg/m <sup>3</sup> STEL
Chemical Name	Poland	Portugal	Spain OEL (TWA)
Sodium azide 26628-22-8	0.1 mg/m <sup>3</sup> TWA Skin Notation 0.3 mg/m <sup>3</sup> STEL	0.1 mg/m <sup>3</sup> TWA 0.3 mg/m <sup>3</sup> STEL skin - potential for cutaneous exposure A4 - Not Classifiable as a Human Carcinogen 0.29 mg/m <sup>3</sup> Ceiling 0.11 ppm Ceiling	0.1 mg/m <sup>3</sup>
Chemical Name	Sweden - Occupational Exposure Limits - TLVs (LLVs)	Switzerland	United Kingdom
Sodium azide 26628-22-8	0.1 mg/m <sup>3</sup> TLV NGV	0.4 mg/m <sup>3</sup> STEL 0.2 mg/m <sup>3</sup> TWA	0.1 mg/m <sup>3</sup> TWA (as NaN <sub>3</sub> )

**Engineering Measures**      Ensure adequate ventilation, especially in confined areas.

### Exposure controls

#### Personal protection equipment

**Respiratory protection**      In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

**Hand protection**              Wear suitable gloves Glove material: Compatible chemical-resistant gloves.

**Eye protection**                 Tight sealing safety goggles.

**Skin and Body Protection**      Wear suitable protective clothing.

**Hygiene Measures**              Handle in accordance with good industrial hygiene and safety practice.

#### Environmental exposure controls

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No special environmental precautions required.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Physical state	liquid	
Colour	No data	
Odour	No data	
Molecular Weight	No data	
Melting point / melting range	°C No data	°F No data
Boiling point / boiling range	°C No data	°F No data
Flammability (solid, gas)	No data	
Lower explosion limit	No data	
Upper explosion limit	No data	
Flash point	°C No data	°F No data
Autoignition Temperature	°C No data	°F No data
Decomposition temperature	°C No data	°F No data
Evaporation rate	No data	
Viscosity	No data	
Solubility	No data	
Partition coefficient: n-octanol/water	No data	
Vapour Pressure	No data	
Specific gravity	No data	
Relative density	No data	
Vapour density	No data	
Explosive properties	No data	
Oxidising properties	No data	
Particle characteristics	No data	

### Other information

#### Information with regards to physical hazard classes

No information available

#### Other safety characteristics

No information available

## SECTION 10: Stability and reactivity

<b>Reactivity</b>	None known.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous reaction has not been reported.
<b>Conditions to avoid</b>	No information available.
<b>Incompatible materials</b>	No dangerous reaction known under conditions of normal use.
<b>Hazardous decomposition products</b>	No data available.

## SECTION 11: Toxicological information

### Information on hazard classes as defined in Regulation (EC) No 1272/2008

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium azide	= 27 mg/kg Oral LD50	= 20 mg/kg(Rabbit)	0.054 - 0.52mg/L(Rat)

### Principal Routes of Exposure

<b>Skin corrosion/irritation</b>	Data are conclusive but insufficient for classification
<b>Serious eye damage/irritation</b>	Data are conclusive but insufficient for classification
<b>Respiratory or skin sensitisation</b>	Data are conclusive but insufficient for classification
<b>Specific target organ toxicity (STOT) – single exposure</b>	Data are conclusive but insufficient for classification
<b>Specific target organ toxicity (STOT) – repeated exposure</b>	Data are conclusive but insufficient for classification
<b>Carcinogenicity</b>	Data are conclusive but insufficient for classification
<b>Germ cell mutagenicity</b>	Data are conclusive but insufficient for classification
<b>Reproductive Toxicity</b>	Data are conclusive but insufficient for classification
<b>Aspiration Hazard</b>	Data are conclusive but insufficient for classification

### Information on other hazards

**Endocrine disrupting properties**  
No information available

**Other information**  
No information available

## SECTION 12: Ecological information

### Toxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Microtox Data	log Pow
Sodium azide	No data available	No data available	No data available	No data available	No data available

**Persistence and degradability** No information available.

**Bioaccumulative potential** No information available.

**Mobility in soil** No information available.

### Results of PBT and vPvB assessment

No information available.

### Endocrine disrupting properties

This product does not contain any known or suspected endocrine disruptors

### Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

## SECTION 14: Transport information

### IATA / ADR / DOT-US / IMDG

Not regulated in the meaning of transport regulations

<b>UN number or ID number</b>	Not Applicable
<b>UN proper shipping name</b>	Not Applicable
<b>Transport hazard class(es)</b>	Not Applicable
<b>Packing group</b>	Not Applicable

### Environmental hazards

Not Applicable

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**Special precautions for user**

Not Applicable

**Maritime transport in bulk according to IMO instruments**

Not Applicable.

## SECTION 15: Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

None.

**Substances of Very High Concern**

None

**Substance subject to authorisation per REACH Annex XIV**

None

**Restricted substances under EC 1907/2006, Annex XVII**

None

**Regulation (EC) No 649/2012 (Rotterdam Convention - export/import of dangerous chemicals)**

None

**Regulation (EU) No 2019/1021 (Stockholm Convention – persistent organic pollutants)**

None

**EU - Substances Depleting the Ozone layer (1005/2009)**

None

**German Water hazard classes (Wassergefährdungsklassen)**

Chemical Name	Weight-%	Water hazard class (WGK)
Sodium azide	<0.1%	hazard class 2 - obviously hazardous to water

**Other International Inventories**

Chemical Name	EINECS (European Union)	ELINCS (European List of Notified Chemical Substances)	ENCS (Japan)	PICCS (Philippines)
Sodium azide	Listed	-	Listed	Listed

Chemical Name	AICS (Australia)	South Korea (KECL)	Canada (DSL)	NDSL
Sodium azide	Listed	Listed	Listed	-

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**Chemical safety assessment**

No Chemical safety assessment has been carried out.

**Reason for revision** Update according to Commission Regulation EU No. 2020/878  
**Revision number** 6  
**Revision date** 22-Feb-2022

**References**

- ECHA: <http://echa.europa.eu/>
- TOXNET: <http://toxnet.nlm.nih.gov/>
- eChemPortal: <http://www.echemportal.org/>
- LOLI database: <https://www.chemadvisor.com/loli-database>

**Classification and procedure used to derive the classification for mixtures according to Regulation (EC)****1272/2008 [CLP]:**

Not classified

**Abbreviations and acronyms****TWA** - Time-Weighted Average**OELs** - Occupational Exposure Limits**STEL** - Short Term Exposure Limit**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**KECL** - Korean Existing and Evaluated Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**AICS** - Australian Inventory of Chemical Substances**NZIoC** - New Zealand Inventory of Chemicals**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**CEPA** - Canadian Environmental Protection Act**EPA** - Environmental Protection Agency**OSHA** - Occupational Safety and Health Administration of the US Department of Labour**IATA** - International Air Transport Association**DOT** - Department of Transportation**IMDG** - International Maritime Dangerous Goods**ACGIH** - American Conference of Governmental Industrial Hygienists**NIOSH** - National Institute for Occupational Safety and Health**AIHA** - American Industrial Hygiene Association**HMIS** - Department of Defense Hazardous Materials Information System**NTP** - National Toxicology Program**IARC** - International Agency for Research on Cancer

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE"

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