



ACCORDING TO US CFR 1910.1200

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**1.1 Product identifier**

Product Name Dynabeads™ M-270 Streptavidin  
 Product code 500080 Dynabeads™ M-270 Streptavidin  
 CAS No. None assigned.

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified Use(s) Analytical reagent. For research use only.  
 Uses Advised Against Not known.

**1.3 Details of the supplier of the safety data sheet**

Company Identification Oxford Gene Technology  
 Begbroke Science Park  
 Begbroke Hill, Woodstock Road  
 Begbroke, Oxfordshire  
 OX5 1PF, United Kingdom

Telephone +44 (0)1865 856800

E-mail support@ogt.com

**1.4 Emergency telephone number**

Company +44 (0)1865 856800 (08.30-17.30 GMT)

## SECTION 2: HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture**

US CFR 1910.1200 Not classified as dangerous for supply/use.

**2.2 Label elements**

Product Name Dynabeads™ M-270 Streptavidin  
 Hazard Pictogram(s) None.  
 Signal Word(s) None.  
 Hazard Statement(s) None.  
 Precautionary Statement(s) None.

**2.3 Other hazards**

None known.

**2.4 Additional Information**

None.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substances**

Not applicable.

**3.2 Mixtures**

HAZARDOUS INGREDIENT(S)	CAS No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Sodium azide	26628-22-8	<0.1	Acute Tox. 2 H300	GHS06

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures**

Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact	Wash skin with water.
Eye Contact	Flush eyes with water for at least 15 minutes.
Ingestion	Wash out mouth with water.

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

None anticipated.

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

Unlikely to be required but if necessary treat symptomatically.

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media**

Suitable extinguishing media	Water spray, foam, dry powder or CO <sub>2</sub> .
Unsuitable extinguishing media	None known.

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

Heating may cause decomposition.

**5.3 Advice for firefighters**

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures.

**6.2 Environmental precautions**

Do not release large quantities into the surface water or into drains.

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

Cover spills with inert absorbent material. Transfer to a container for disposal.

**6.4 Reference to other sections**

See Also Section 8, 13.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

General hygiene measures for the handling of chemicals are applicable. Wear protective equipment to comply with good occupational hygiene practice. Do not eat, drink or smoke at the work place. Wash hands and exposed skin after use.

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

Storage temperature	Ambient.
Storage life	Stable under normal conditions.
Incompatible materials	None known.

**7.3 Specific end use(s)**

For research use only.



**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
Sodium azide	26628-22-8	0.1	0.3	-	-	OSHA PEL, S, C
Sodium azide	26628-22-8	-	-	0.11	0.29	ACGIH TLV, STEL = C, a, b

Remark	Notes
OSHA PEL	Occupational Safety and Health (OSHA) Permissible Exposure Limits (PELs).
S	Skin Sensitization
C	Ceiling limit
ACGIH TLV	The American Conference of Governmental Industrial Hygienists (ACGIH®) Threshold Limit Values (TLVs®) 2018
STEL = C	short-term exposure = ceiling limit
a	0.11 ppm (as HN3 vapor)
b	0.29 mg/m3 (as NaN3)

**8.2 Exposure controls**

8.2.1. Appropriate engineering controls Ensure adequate ventilation.

8.2.2. Personal protection equipment



Eye Protection Handling of larger amounts: Wear protective eye glasses for protection against liquid splashes.



Skin protection Wear suitable gloves if prolonged skin contact is likely.



Respiratory protection Normally no personal respiratory protection is necessary. Wear suitable respiratory protective equipment if exposure to high levels of material are likely.



Thermal hazards Not applicable.



**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

Appearance	Suspension.
	Color : Colorless.
Odor	Odorless.
Odor threshold	Not established.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash Point	Not applicable.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not applicable.
Vapor pressure	Not available.
Vapor density	Not available.
Density (g/ml)	Not available.
Relative density	Not available.
Solubility(ies)	Not available.
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature	Not applicable.
Decomposition Temperature (°C)	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

**9.2 Other information**

None.

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity**

Stable under normal conditions.

**10.2 Chemical Stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known if used for its intended purpose.

**10.4 Conditions to avoid**

Heat and direct sunlight.

**10.5 Incompatible materials**

None known.

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.



**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

Acute toxicity	Low acute toxicity.
Skin corrosion/irritation	Non-irritant.
Serious eye damage/irritation	Non-irritant.
Skin sensitization data	It is not a skin sensitizer.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive toxicity	No evidence of reproductive effects.
Lactation	Not classified.
STOT - single exposure	None anticipated.
STOT - repeated exposure	None anticipated.
Aspiration hazard	Not classified.

**11.2 Other information**

None.

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity**

Low toxicity to aquatic organisms.

**12.2 Persistence and Degradation**

No information available.

**12.3 Bioaccumulative potential**

No information available.

**12.4 Mobility in soil**

No information available.

**12.5 Other adverse effects**

Not known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

Dispose of empty containers and wastes safely.

**13.2 Additional Information**

Disposal should be in accordance with local, state or national legislation.

**SECTION 14: TRANSPORT INFORMATION**

Not classified as dangerous for transport.

**14.1 UN number**

Not applicable.

**14.2 UN proper shipping name**

Not applicable.

**14.3 Transport hazard class(es)**

Not applicable.

**14.4 Packing group**

Not applicable.



**14.5 Environmental hazards**

Not applicable.

**14.6 Special precautions for user**

Not applicable.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

**SECTION 15: REGULATORY INFORMATION**

**15.1 US Federal Regulations**

Toxic and hazardous substances (29 CFR 1910; Subpart Z) Not listed.

National emission standards for hazardous air pollutants (40 CFR 61.01) Not listed.

SARA Title III Section 313 Not listed.

TSCA (Toxic Substance Control Act) Listed : 26628-22-8

CAA 602 - Ozone Depleting Substances (ODS) Not listed.

**15.2 US State Regulations - State Right to Know Lists**

Proposition 65 (California) Not listed.

Minnesota Listed : 26628-22-8

New Jersey Listed : 26628-22-8

Pennsylvania Listed : 26628-22-8

Rhode Island Listed : 26628-22-8

**15.3 Other**

OSPAR List of Chemicals for Priority Action Not listed.

OSHA (List of Highly Hazardous Chemicals, Toxics and Reactives) Not listed.

NTP (National Toxicology Program ) Not listed.

IARC (International Agency for Research on Cancer ) Not listed.

**SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements: 16

NFPA Rating	
Health	0
Flammability	0
Instability	0
Special Hazards	

**LEGEND**

Acronyms  
 CAS : Chemical Abstracts Service  
 LTEL : Long term exposure limit  
 STEL : Short term exposure limit



STOT : Specific Target Organ Toxicity

UN : United Nations

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