

Material Safety Data Sheet

Solulink Biosciences
9853 Pacific Heights Blvd, Ste H.
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Tel: 858.625.0670
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Prepared: 07/09/08

Product Name/Description: NanoLink Amino Magnetic Beads

I. Product and Company Description

Solulink, Inc.
9853 Pacific Heights Blvd, Ste H.
San Diego, CA 92121

For Product Information/Emergency Phone Number:

858.625.0670

For product use see insert

Chemical Name or Synonym:

N/A

II. Chemical Composition

NanoLink is normally supplied as a 1% suspension of polymer microsphere in water containing 0.05% sodium azide preservative.

Ingredient Name	CAS Number	%	EC number	Classification
Amino modified polystyrene	09003-53-6	0.45	N/A	N/A
Iron oxide	01317-61-9	0.4	N/A	Non hazardous
Water	07732-18-5	99.0		Not controlled
Sodium azide	26628-22-8	0.05%	247-852-1	T+; R28, R32 N; R50/53

III. Hazards Identification

This product is not considered to present a health hazard when handled according to standard laboratory practices and general hygiene measures i.e. wash hands after using.

A. Emergency Overview:

Information Pertaining To Particular Dangers for Man And Environment: Not known

Physical Appearance: brown aqueous suspension that may settle on standing

B. Potential Health Effects:

Acute Eye:

May cause irritation.

Acute Skin:

May cause irritation.

Acute Inhalation:

May be harmful if inhaled.

Acute ingestion:

May be harmful if swallowed.

Medical Conditions Generally Aggravated by Exposure:

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IV. First Aid Measures

First Aid Measures for Accidental:

Eye Exposure:

Immediately flush eyes with copious amounts of water for at least 15 minutes. If irritation develops, SEEK MEDICAL ATTENTION.

Skin Exposure:

Wash affected areas with soap and water. If irritation develops, SEEK MEDICAL ATTENTION.

Inhalation:

Move to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, give oxygen. SEEK MEDICAL ATTENTION.

Ingestion:

If swallowed, rinse mouth out with water. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. SEEK MEDICAL ATTENTION.

V. Fire Fighting Measures

Fire Hazard Data:

Autoignition: no data

Flash Point: no data

Flammability Limits (vol/vol%):

Lower: Upper:

No data No data

Extinguishing Media: Use extinguishing media appropriate for surrounding fire

Special Fire Fighting Procedures:

None

Unusual Fire and Explosion Hazards:

None

VI. Accidental Release Measures

Cleanup and Disposal of Spill:

Using standard lab personal protective equipment such as gloves, lab coat, and goggles wipe spills with absorbent wipes and discard any product, residue, disposable container or liner in full compliance with national or international regulations. No special measures are indicated.

VII. Handling and Storage

Handling/Storage: Handle wearing gloves. Store product at 4°C.

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VIII. Exposure Controls / Personal Protection

Exposure Guidelines:

Ingredient Name	ACGIH	NIOSH	OSHA-PELs
Sodium azide	Ceiling 0.29	0.1 ppm ceiling (skin) as HN3, 0.3 mg/m3 ceiling (skin) as NaN3	ND

Engineering Controls:

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the MSDS. General room ventilation is satisfactory under anticipated use conditions.

Respiratory Protection:

Not required under anticipated use conditions.

Eye / Face Protection:

Wear appropriate safety glasses with side shields or chemical goggles as described by OSHA's eye and face protection regulations in 29CFR 1910.133 or European Standard EN166.

Skin Protection:

Wear chemical resistant gloves (such as latex or neoprene) and protective clothing to minimize skin contact.

IX. Physical and Chemical Properties

Physical Appearance: Brown aqueous suspension that may settle

Percent Purity: 1%

Boiling Point: 212F, 100C

Melting Point: NA

Specific gravity: 1.4-1.5

Freezing Point:NA

pH: NA

Solubility in water: suspension

Vapor Density: 0.624 @ 80 °F

Vapor Pressure 17.5 mm Hg @ 20 °C

X. Stability and Reactivity

Chemical Stability:

Stable

Conditions to Avoid:

Temperatures <0°C and > 60°C

Materials / Chemicals to Be Avoided:

Strong oxidizing agents and acids.

Hazardous Decomposition Products:

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Azide reacts with metal halides to give a range of metal azide halides, many of which are explosive.

Hazardous Polymerization:

Will not occur.

XI. Toxicological Information

Carcinogenicity:

NTP: NO

IARC: NO

Acute Dermal Toxicity:

For Sodium Azide: Skin rabbit LD50: 20 mg/kg

Acute Oral Toxicity:

For Sodium Azide: Oral rat LD50: 27 mg/kg

Acute Inhalation Toxicity:

ND

Chronic Toxicity:

Mutagenicity: Sodium azide may alter genetic material.

Reproductive effects: ND

XII. Ecological Information

Ecotoxicological Information:

Not Determined

XIII. Disposal Considerations

Waste Disposal Method:

Discard any product, residue, disposable container or liner in full compliance with national regulations.

Container Handling and Disposal:

Dispose of container and unused contents in accordance with national regulations.

XIV. Transportation Information

Shipping Name: ADR/RID/IMO/ICAO/US DOT

Proper Shipping Name Not Regulated

Hazard Class Not Regulated

ID Number Not Regulated

Packaging Group Not Regulated

Label Statement Not Regulated

XV. Regulatory Information

U.S. Federal Regulations:

SARA Title III Hazard Classes:

Fire Hazard: No

Reactive Hazard: No

Release of Pressure: No

Acute Health Hazard: No

Chronic Health Hazard: No

TSCA

All components of this product are on the TSCA inventory or are not required to be listed.

Other Regulations:

U.S. State None

European/International Regulations

Risk Phrases: None

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Safety Phrases: None

XVI. Other Information

National Paint & Coating Hazardous Materials Identification System – HMIS(R):

Health Hazard: 0

Flammability: 0

Reactivity: 0

Key Legend Information:

N/A – Not Applicable

ND – Not Determined

ACGIH – American Conference of Governmental Industrial Hygienists

OSHA – Occupational Safety and Health Administration

TLV – Threshold Limit Value

PEL – Permissible Exposure Limit

TWA – Time Weighted Average

STEL – Short Term Exposure Limit

NTP – National Toxicology Program

IARC – International Agency for Research on Cancer

The information contained herein is based on the data available to us and is believed to be correct. However Solulink Incorporated makes no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof be obtained from the use thereof.