

SAFETY DATA SHEET

Version 1.0

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Section 1 - Product and Company Information**Product Name** Alexa Fluor® 647 FluoroNanogold™ Streptavidin**Product Number** 7516**Company** Nanoprobes**Address** 98 Horseblock Road, Unit 1, Yaphank, NY 11980-9710, USA**Technical Phone:** 877-447-6266**Fax:** 631-205-9493**Emergency Phone:** 631-205-9490**Section 2 - Composition/Information on Ingredients****Mixture**

Ingredient Name	CAS #	EC #	Percent
Alexa Fluor® 647 FluoroNanogold™	Not Found		<0.01% (w/w)
Streptavidin			
Sodium Azide	26628-22-8	247-852-1	0.05% (w/w)

Section 3 - Hazards Identification**Classification of the substance or mixture**

Not a hazardous substance or mixture

GHS Label elements, including precautionary statements

Not a hazardous substance or mixture

Hazards not otherwise classified (HNOC) or not covered by GHS Sodium Azide may react with lead and copper plumbing to form highly explosive metal azides**Section 4 - First Aid Measures****ORAL EXPOSURE**

If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately.

INHALATION EXPOSURE

If inhaled, remove to fresh air. If not breathing give artificial respiration. Call a physician.

DERMAL EXPOSURE

In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

EYE EXPOSURE

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5 - Fire Fighting Measures

FLASH POINT

N/A

AUTOIGNITION TEMP

N/A

FLAMMABILITY

N/A

EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

FIREFIGHTING

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal

Section 7 - Handling and Storage

HANDLING

User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE

Suitable: Keep container closed. Refrigerate on arrival. Store at 2-8°C. Protect from light.

Section 8 - Exposure Controls / Personal Protection

Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values

ENGINEERING CONTROLS

Ensure adequate ventilation, especially in confined areas

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection: Impervious gloves.

Eye protection: Safety glasses with side-shields.

Skin and body protection: Lightweight protective clothing.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls

Prevent product from entering drains

Section 9 - Physical/Chemical Properties

Appearance: Pale Blue Liquid

Odor	N/A
pH	7.4
BP/BP Range	N/A
MP/MP Range	N/A
Flash Point	N/A
Explosion Limits	N/A
Flammability	N/A
Autoignition Temp	N/A
Water Solubility	Soluble
Decomposition Temperature	N/A
Viscosity	N/A
Oxidizing properties	N/A

N/A = not available

Section 10 - Stability and Reactivity**STABILITY**

Stable: Stable under recommended storage condition within specified expiration date

Materials to Avoid: Strong oxidizing agents, acids, thiols

HAZARDOUS DECOMPOSITION PRODUCTS

Nature of decomposition products not known

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

Section 11 - Toxicological Information

Acute Toxicity

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)
Sodium Azide	27 mg/kg (rat)	No data available
Alexa Fluor® 647 FluoroNanogold™ Streptavidin	No data available	No data available

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

Germ cell mutagenicity: no data available

Carcinogenicity: no data available

Reproductive toxicity: no data available

Specific target organ toxicity-single exposure: no data available

Specific target organ toxicity-repeated exposure: no data available

Aspiration hazard: no data available

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

Dispose of in accordance with local regulations.

Section 14 - Transport Information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

Section 15 - Regulatory Information

SARA 302 Components

The following components are subject to reporting levels established by SARA Title III, Section 302:

Chemical Name	CAS-No.	Weight %	Sara 313- de minimis %Limit
Sodium azide	26628-22-8	0.05%	1.0%

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Massachusetts Right To Know Components

	CAS-No	Revision Date
Sodium azide	26628-22-8	2007-07-01

Pennsylvania Right To Know Components

	CAS-No	Revision Date
Sodium azide	26628-22-8	2007-07-01

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16 - Other Information**DISCLAIMER**

For R&D use only. Not for drug, household or other uses.

WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Nanoprobes Inc., shall not be held liable for any damage resulting from handling or from contact with the above product.