

## Safety data Sheet

### Atto647n-Lysine dextran

Version 2.0 Revision date 2018-10-31

#### Section 1. Product Identification

Product name: Atto647n-Lysine dextran  
Chemical name: Dextran, 3-amino-9-[2'-[[4''-(6'''-Carboxyamino)-hexanoxy]-4''-oxo-butyl]-N-methyl-carbamoyl]phenyl]-6-azanylidene-xanthene-4,5-disulfonic acid, salt  
Catalogue no. AT647nLD70  
CAS no. N/A  
Mol. Formula: N/A  
Manufacturer: TdB Consultancy AB, Virdings Allé 22, 754 50 Uppsala, SWEDEN  
Tel: +46 (0)730608200

#### Section 2. Hazards Identification

Classification of the substance Not a hazardous substance  
Label elements Caution- substance not yet tested completely

#### Section 3. Composition/Information on ingredients

Chemical family: Polysaccharide derivative  
Appearance/odour: Blue powder, no distinctive odour  
Melting point: Decomposes on heating  
Solubility: Freely soluble in water  
Molecular weight: Approx. 4000 -150000 Dalton

#### Section 4. First-aid Procedures

Inhalation: Remove exposed person to fresh air. Get medical attention.  
Eyes: Wash thoroughly with water for 15 minutes. Get medical attention.  
Skin: Wash off with soap and water.  
Ingestion: Rinse mouth with water and give water to drink. No treatment required if only small amount.

#### Section 5. Fire-fighting Measures

Extinguishing media: Carbon dioxide, dry chemicals or water  
Special fire-fighting procedures: Use media appropriate for primary cause of fire.

#### Section 6. Accidental Release Measures

Action in event of spill: Collect material taking precautions to minimize dust. Use wet mop.  
Place collected material in suitable container for disposal.  
Flush area with water and drain into sewer. Floor may become slippery.

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#### Section 7. Handling and storage

Precautions to be taken when handling: Protect from dust. Use approved face-mask and protective clothes. Wear safety glasses. In case of severe and repeated exposure follow recommendations of local safety officer. Store in tight dark container.

#### Section 8. Exposure Controls/Personal Protection

Exposure limit: Not established  
Special personal protective equipment: Use suitable protective clothing  
Respiratory: Use approved face mask.  
Eyes: Use safety goggles.  
Gloves: Use plastic gloves

#### Section 9. Physical and Chemical Properties

General information:  
Appearance: Blue powder, no distinctive odour  
Vapour pressure: N/A  
Melting point: Decomposes with charring  
Boiling point: N/A  
Molecular weight: Approx. 4000 -150000Dalton  
Flash point: N/A  
Solubility in water: > 50 % by weight

#### Section 10. Stability and Reactivity

Stability (normal conditions): Stable for more than 6 years when stored dry in well-sealed containers at ambient temperature.  
Hazardous polymerization: Does not occur.  
Conditions to avoid: High humidity  
Incompatibility: Avoid contact with oxidizing agent (e.g. nitric acid)  
Hazardous decomposition products: Thermal decomposition may yield oxides of carbon and small amounts of oxides of nitrogen and sulfur.

#### Section 11. Toxicological information

Toxicity information: The substance is well tolerated by experimental animals and cells and no toxic effects are expected under normal operating conditions. No formal toxicity reports available.

LD50: N/A

Routes of entry: Effects of occupational overexposure:  
Inhalation No information on the toxicity after inhalation.  
Most dust will produce irritation, inflammation or toxic symptoms on prolonged inhalation.  
Eye contact No information available on eye exposure.  
Skin contact Dermal absorption not known but presumably nil.  
Ingestion: No information of toxicity available.

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**Section 12. Ecological information**

No information available. However Dextran itself is biodegradable.

**Section 13. Disposal Recommendations**

Collect material taking precautions to minimize dust. Use wet mop. Place collected material in suitable container for disposal. Flush area with water and drain into sewer. Large quantities may be incinerated.

**Section 14. Transport information**

EEC:	Not listed
Dangerous goods:	Not restricted
EINECS:	Not listed

**Section 15. Regulatory information**

P261:	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
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**Section 16. Other information**

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. TdB Consultancy AB shall not be held liable for any damage resulting from handling or from contact with the above product.