

Safety Data Sheet

Atto647n-Lysine-Dextran

Version 3.0 Revision date 2019-12-11

Section 1. Product Identification

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|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 Labs 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

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|-------------|---------------------------------------------------------------------------------------------|
| 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

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

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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.

Section 7. Handling and storage

Precautions to be taken when handling: Protect from dust. Use approved facemask 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.

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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:
Inhalation

Effects of occupational overexposure:
No information on the toxicity after inhalation.
Most dust will produce irritation, inflammation or toxic symptoms on prolonged inhalation.

Eye contact
Skin contact
Ingestion:

No information available on eye exposure.
Dermal absorption not known but presumably nil.
No information of toxicity available.

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.

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