

Section 1. Product Identification

<u>Product name:</u>	Tetramethylrhodamine-hyaluronic acid-Se
<u>Chemical name:</u>	Tetramethylrhodamine-hyaluronic acid from <i>Streptococcus equi</i>
<u>Catalogue no.</u>	THA-Se
<u>CAS no.</u>	N/A
<u>Mol. Formula:</u>	N/A
<u>Manufacturer:</u>	TdB Consultancy AB, Virdings Allé 16, 754 50 Uppsala, SWEDEN Tel: +46 18 7001204

Section 2. Composition/Information on ingredients

<u>Chemical family:</u>	polysaccharide derivative, glycosaminoglycan
<u>Appearance/odour:</u>	red powder, no distinctive odour
<u>Melting point:</u>	N/A
<u>Solubility:</u>	N/A
<u>Molecular weight:</u>	approx. 6 million Dalton

Section 3. Hazards Identification

Routes of entry	Effects of occupational over exposure
1. Inhalation	No information on the toxicity after inhalation. Most dust will produce irritation, inflammation or toxic symptoms on prolonged inhalation.
2. Eye contact	No information available on eye exposure.
3. Skin contact	No information available on skin exposure.
4. Ingestion	No information available of toxicity available.

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 if person is not unconscious 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.

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.

Recommended storage temperature: 2-8 °C

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: red powder, No distinctive odour
pH: N/A
Vapour pressure: N/A
Relative density: N/A
Melting point: N/A
Molecular weight: approx. 6 million Dalton
Flash point: N/A
Fat Solubility: N/A
Solubility in water: soluble

Section 10. Stability and Reactivity

Stability (normal conditions):	Stable for more than 6 years when stored dry in well-sealed containers at ambient temperature.
Conditions to avoid:	High humidity; high temperature (> 60°C).
Incompatibility:	Avoid contact with strong oxidizing agents.
Hazardous decomposition products:	Thermal decomposition may yield oxides of carbon and nitrogen.

Section 11. Toxicological information

General information: The substance is a polyanion and possesses many biological activities in vivo. However since it is not absorbed by the skin no toxic effects are expected under normal operating conditions provided the recommended precautions are followed.

Acute toxicity:

1. Inhalation: The material should be handled as a potential irritant and long term or repeated exposure to dust prevented.
2. Skin/Eye contact: May cause irritation

Long term: No data available on carcinogenicity, mutagenicity or teratogenicity.

Section 12. Ecological information

No information available.

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

S22: Avoid inhalation of dust.