

# Product Safety Data Sheet

## 1. Product Identification

Product Name: Heparan oligosaccharide NA-9mer  
Product number: GT276  
Chemical formula:  $C_{66}H_{100}N_8O_{78}S_{10}$   
Manufacturer: Glycan Therapeutics, LLC  
125 South Road, Kenan Labs-B Rm.  
B-927, CB# 3266  
Chapel Hill, NC 27599, USA  
Identified uses: Research chemicals  
Emergency Tel: 919-843-6772

## 2. Hazards Identification

Not a hazardous substance

## 3. Composition/Information on Ingredients

Carbohydrate-based compound, noncombustible or nontoxic.  
Highly water soluble

## 4. First Aid Measures

*General advice-* Move out of dangerous area.

*If inhaled-* move into an area with fresh air.

If not breathing, contact medical emergency personnel.

*In case of Skin contact-* Wash off with water.

*In case of Eye contact-* Flush with water.

*If swallowed-* Rinse mouth with water.

## 5. Firefighting Measures

*Extinguishing media-* Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

*Special hazards arising from the substance-* carbon dioxide, nitrogen oxide and sulfur oxides

*Advice for firefighters-* Wear self-contained breathing apparatus for firefighting if necessary.

## **6. Accidental Release Measures**

*Personal precautions-* Avoid breathing vapor, mist or gas.

*Environmental precautions-* Do not allow product enter drains. □

*Methods and materials for containment and cleaning up-* Sweep up and clean the contaminated area with water.

## **7. Handling and storage**

*Precautions for safe handling-* Normal measures for preventive fire protection.

*Conditions for safe storage-* keep in a freezer that has the temperature below -20°C.

## **8. Exposure controls/Personal protection**

*Control parameters/Exposure controls-* no available data for the exposure limits. General hygiene practice.

*Eye/face protection-* Eye protection ware is recommended. *Skin protection-* Standard nitrile rubber gloves should be worn.

## **9. Physical and Chemical Properties**

Appearance:	in water solution, colorless
Odor:	no data available
pH:	4 to 8 □
Melting point:	no data available
Boiling point:	no data available
Water solubility:	20gm/L

## **10. Stability**

Reactivity: No data available  
Chemical stability: Stable under recommended conditions  
Possible hazardous reactions: No data available  
Incompatible materials: No data available □  
Hazardous decomposition products: No data available

## **11. Toxicological Information**

Acute toxicity: no data available  
Carcinogenicity: no data available  
Reproductive toxicity: no data available □  
Specific target organ toxicity: no data available

## **12. Ecological Information**

Toxicity: no data available □  
Persistence and degradability: no data available  
Bioaccumulative potential: no data available  
Mobility in soil: no data available

## **13. Disposal Considerations**

Waste treatment-Offer surplus and non-recyclable solutions to a licensed disposal company.

## **14. Transportation**

Not dangerous goods