

Section 1 – Chemical Product and Company Identification

MSDS Name: Glycosil™

Catalog Numbers: N/A

Synonyms: CMHA-S, Carboxymethyl Hyaluronic Acid – DTPH, CMHA-DTPH, Carbylan™-DTPH, Carboxymethyl Hyaluronic Acid – Thiopropanoyl Hydrazide

Company Identification:

Glycosan BioSystems

675 Arapeen Drive Suite 302

Salt Lake City, UT 84108

For information, call: 801-583-8212

Section 2 – Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
N/A	CHMA-S	100%	unlisted

Hazard Symbols: None listed.

Risk Phrases: None listed.

Section 3 – Hazards Identification

EMERGENCY OVERVIEW

Appearance: White solid. The toxicological properties of this material have not been fully investigated. Caution! Avoid contact and inhalation.

Target Organs: None known.

HMIS Rating

Health: 1

Flammability: 0

Reactivity: 0

For additional information on toxicity, please refer to Section 11.

Section 4 – First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Call a physician.

Skin: Wash skin with copious amounts of water.

Ingestion: If victim is conscious and alert, wash out mouth with water. Never give anything by mouth to an unconscious person. Call a physician.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and call a physician.

Notes to Physician: Treat symptomatically and supportively.

Section 5 – Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: Use agent most appropriate to extinguish fire. Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Flash Point: N/A

Autoignition Temperature: N/A

Flammability: Non-flammable

Section 6 – Accidental Release Measures

General Information: Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7 – Handling and Storage

Handling: Wash thoroughly after handling. Use only in a well-ventilated area. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

Storage: Store at -80°C. Store in a tightly closed container.

Section 8 – Exposure Controls, Personal Protection

Engineering Controls: Use adequate ventilation to keep airborne concentrations low. Safety shower and eye bath.

Exposure Limits: None listed.

OSHA Vacated PELs: None listed for this chemical.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respiratory: Wear dust mask to avoid inhalation.

General Hygiene Measures: Wash thoroughly after handling.

Section 9 – Physical and Chemical Properties

Physical State: Solid

Appearance: White

Odor: N/A

pH: N/A

Vapor pressure: N/A

Vapor density: N/A

Evaporation Rate: N/A

Viscosity: N/A

Boiling Point: N/A

Freezing/Melting Point: N/A

Decomposition Temperature: N/A

Solubility: Soluble in water

Specific Gravity/Density: N/A

Molecular Formula: N/A

Molecular Weight: N/A

N/A = not available

Section 10 – Stability and Reactivity

Chemical Stability: Stable

Conditions to Avoid: Strong oxidizing agents.

Incompatibilities with Other Materials:

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides.

Hazardous Polymerization: Has not been reported.

Section 11 – Toxicological Information

Routes of Exposure

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: May be harmful if swallowed.

Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Signs and Symptoms of Exposure

The chemical, physical, and toxicological properties have not been fully investigated.

Toxicity Data

No data available

Section 12 – Ecological Information

No information available

Section 13 – Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Section 14 – Transport Information

Non-hazardous for transport.

Section 15 – Regulatory Information

General Information

For research and development use only. Not for drug, household, or other uses.

European/International Regulations

Safety Phrases: S: 22 24/25

Do not breathe dust. Avoid contact with skin and eyes.

US Label Text

US Statement: Caution: Avoid contact and inhalation.

United States Regulatory Information

SARA Listed: No

Canada Regulatory Information

N/A

Section 16 – Additional Information

MSDS Creation Date: 3/1/06

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