

SAFETY DATA SHEET

Date of Issue: August 6, 2020

Section 1. Identification

Product Name: GlycoSense™ Array Kit**Catalog No.:** GK0101**Manufacturer/Supplier:**

Lectenz Bio
111 Riverbend Road
Athens, GA 30602
United States
Tel: (706) 549-4484
Email: sales@lectenz.com

Satellite Location:

Lectenz Bio
3030 Bunker Hill Street
San Diego, CA 92109
United States
Tel: (706) 549-4484
Email: sales@lectenz.com

Section 2. Hazards Identification

GHS Classification: Non-hazardous based on the physical and/or chemical nature and/or concentration of ingredients.**GHS Label:** Non-hazardous substance or mixture.**Hazards not otherwise classified (HNOC) or not covered by GHS:** None

Section 3. Composition/Information on Ingredients

Microspheres conjugated with certified non-hazardous, purified protein in a phosphate buffered saline solution.

Sodium azide CAS no 26628-22-8 Composition 0.05%

Section 4. First Aid Measures

Inhalation: Remove to fresh air.**Skin contact:** Wash thoroughly with water and soap.**Eye contact:** Flush eyes with water as a precaution.**Ingestion:** Wash out mouth with water. Do not induce vomiting.

Section 5. Fire Fighting Measures

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.**Special protective equipment:** Use respirator for firefighting if necessary.

Section 6. Accidental Release Measures

Wear protective clothing to prevent contact with eyes and skin. Ensure adequate ventilation. Collect on absorbent material and dispose of according to federal, state and local environmental regulations.

Section 7. Handling and Storage

Handling: Use only with adequate ventilation. Wear eye protection and compatible chemical-resistant gloves. Handle in accordance with good laboratory hygiene and safety practices.**Storage:** Keep container tightly closed and store according to product label, product card, datasheet and/or instructional manual

Section 8. Exposure Controls/Personal Protection

Exposure limits: Contains no substances with occupational exposure limit values.**Engineering controls:** Use enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limits.**Personal protection:****Hand protection** - Compatible chemical-resistant gloves**Eye protection** - Chemical safety goggles**Skin protection** - Lab coat

(continued on next page)

Section 9. Physical and Chemical Properties

Appearance: Aqueous

Odor: None

pH: 7.5

Boiling point: Not determined

Melting point: Not determined

Flash point: Not determined

Autoflammability: Not determined

Vapor pressure: Not determined

Relative density: Not determined

Solubility: Not applicable

Section 10. Stability and Reactivity

Chemical stability: Stable under recommended storage conditions.

Conditions to avoid: pH extremes.

Materials to avoid: Not applicable.

Hazardous reactions/decomposition products: Not determined.

Section 11. Toxicological Information

Information on likely routes of exposure

Inhalation Avoid breathing vapors or mists. May cause irritation of respiratory tract.

Eye contact Avoid contact with eyes. May cause slight irritation.

Skin contact Avoid contact with skin.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Information on toxicological effects

This product is for experimental uses only. The product has not been completely analyzed and all of the hazards may not be known. Please use caution while handling this product. Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
sodium azide	= 27 mg/kg (Rat)	= 20 mg/kg (Rabbit)	= 50 mg/kg (Rat)

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Symptoms Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing.

Sensitization No information available.

Mutagenic effects No information available.

Carcinogenicity No component of this product present at levels greater than or equal to 0.1% is identifiable as probable, possible or confirmed carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity No information available.

Systemic Target Organ Toxicity (STOT) No information available.

Aspiration Hazard No information available.

Section 12. Ecological Information

Ecotoxicity

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to aquatic invertebrates
sodium azide	EC50 0.35 mg/L (Pseudokirchneriella subcapitata) 96 h	LC50 0.8 mg/L (Oncorhynchus mykiss) 96 h LC50 5.46 mg/L (Pimephales promelas) 96 h LC50 0.7 mg/L (Lepomis macrochirus) 96 h	LC100 1 mg/L (Orconectes rusticus) 96 h

Section 13. Disposal Considerations

Observe all federal, state and local environmental regulations.

Section 14. Transport Information

DOT (US): Not dangerous goods.

RID/ADR: Not regulated.

(continued on next page)

IMDG: Not dangerous goods.

IATA: Not dangerous goods.

Section 15. Regulatory Information

SARA 302 - No chemicals in this material are subject to the reporting requirements.

SARA 313 - Sodium Azide, CAS 26628-22-8, Threshold Value = 1%

SARA 311/312 Hazards - No SARA Hazards.

California Prop. 65 components: None.

Section 16. Other Information

The information contained in this Safety Data Sheet is believed to be accurate but it is the responsibility of the user to determine the applicability of these data to the formulation of necessary safety precautions. Lectenz Bio shall not be held responsible for any damage resulting from the use of the above product or the information contained in this Safety Data Sheet.

Date of Revision: August 6, 2021