

**1 Identification**

- **Product Identifier**
- **Trade Name:** Detection Reagents for LightDeck MC/CYN HAB Toxin Test
- **Relevant identified uses of the substance or mixture and uses advised against:** Detection Reagents for MBio HAB Toxin MC/CYN Test with no identified restrictions on use.
- **Product Description:** Detection Reagents for MBio HAB Toxin MC/CYN Test
- **Details of the Supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
 LightDeck Diagnostics®  
 5603 Arapahoe Ave, Suite 1  
 Boulder, Co 80303  
 P: 303-952-2905, info@LightDeckdx.com
- **Emergency telephone number:** 303-952-2810

**2 Hazard(s) Identification**

- **Classification of the substance or mixture:** The product does not meet classification according to OSHA HCS 29 CFR §1910.1200 and GHS Rev. 3.
- **Label elements**
- **Hazard pictograms:** Non-Regulated Material
- **Signal word:** Non-Regulated Material
- **Hazard statements:** Non-Regulated Material
- **Unknown acute toxicity:**  
 This value refers to knowledge of known, established toxicological or ecotoxicological values.  
 0% of the mixture consists of component(s) of unknown toxicity.
- **Hazard(s) not otherwise classified (HNOC):** None known

**3 Composition/Information on Ingredients**

- **Chemical characterization: Mixtures**
- **Description:** Mixture of substances listed below with non-hazardous additions.

Major Components:		
57-50-1	Sucrose, Pure (Combustible Dust)	25-50%

**Additional information:**

The exact percentages of the ingredients of this mixture are considered proprietary and are withheld in accordance paragraph (i) of 29 CFR §1910.1200 Trade Secrets.

**4 First-Aid Measures**

- **Description of first aid measures**
- **General information:** If symptoms persist, call a physician.
- **After inhalation:** supply fresh air; consult doctor in case of complaints.
- **After skin contact:** If skin irritation occurs, consult a doctor.
- **After eye contact:**  
 Rinse opened eye for several minutes under running water.  
 If eye irritation occurs, consult a doctor.
- **After swallowing:** If swallowed and symptoms occur, consult a doctor.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed:**  
 No further relevant information available.

**5 Fire-Fighting Measures**

- **Extinguishing media**
- **Suitable extinguishing agents:** Use firefighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** No further relevant information.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Advice for firefighters**
- **Special protective equipment for firefighters:**  
 As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

**6 Accidental Release Measures**

- **Personal precautions, protective equipment and emergency procedures:** Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Inform respective authorities in case of seepage into water course or sewage system.
- **Methods and materials for containment and cleaning up:**  
 Use neutralizing agent.  
 Dispose contaminated material as waste according to Section 13.
- **Reference to other sections:**  
 See Section 7 for information on safe handling.  
 See Section 8 for information on personal protection equipment.  
 See Section 13 for disposal information.

**7 Handling and Storage**

- **Handling**
- **Precautions for safe handling:**  
 Ensure good ventilation/exhaustion at the workplace.  
 Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.

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- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s):** No further relevant information available.

**8 Exposure Controls/Personal Protection**

- **Additional information about design of technical systems:** No further data; see Section 7.
- **Control parameters**

**Components with occupational exposure limits:**
**57-50-1 Sucrose, Pure**

PEL	Long-term value: 15*5** mg/m <sup>3</sup> *total dust **respirable fraction
REL	Long-term value: 10*5** mg/m <sup>3</sup> *total dust **respirable fraction
TLV	Long-term value: 10 mg/m <sup>3</sup>

- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Material of gloves:** Not applicable.
- **Penetration time of glove material:** Not applicable.
- **Eye protection:** Not required
- **Limitation and supervision of exposure into the environment:** None

**9 Physical and Chemical Properties**

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance**
  - Form:** Solid
  - Color:** White
- **Odor:** Slight
- **Odor threshold:** Not determined.
- **pH-value:** Not applicable.
- **Change in condition**
  - Melting point/Melting range:** Not determined.
  - Boiling point/Boiling range:** Not determined.
- **Flash point:** None
- **Flammability (solid, gaseous)** Not determined.
- **Ignition temperature:** Not applicable
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits**
  - Lower:** Not determined.
  - Upper:** Not determined.
- **Vapor pressure @ 20 °C (68 °F):** Not applicable
- **Density**
  - Relative density:** Not determined.
  - Vapor density:** Not applicable.
  - Evaporation rate:** Not applicable.
- **Solubility in / Miscibility with**
  - Water:** Soluble.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity**
  - Dynamic:** Not determined.
  - Kinematic:** Not determined.
- **Solvent content**
  - VOC content:** 0.00 %
  - Solids Content:** 100.0 %
- **Other information:** No further relevant information available.

**10 Stability and Reactivity**

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

**11 Toxicological Information**
**Information on toxicological effects**
**Acute toxicity:**
**LD/LC50 values that are relevant for classification:**
**57-50-1 Sucrose, Pure**

Oral	LD50	29,700 mg/kg (Rat)
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**Primary irritant effect**
**On the skin:** No irritating effect.

**On the eye:** No irritating effect.

**Delayed and immediate effects and chronic effects on short-term and long-term exposure:** None

**Additional toxicological information:**
**Carcinogenic categories:**
**IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

**NTP (National Toxicology Program):**

None of the ingredients are listed.

**OSHA (Occupational Safety & Health Administration):**

None of the ingredients are listed.

**12 Ecological Information**
**Toxicity**
**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability:** No further relevant information available.

**Behavior in environmental systems**
**Bioaccumulative potential:** No further relevant information available.

**Mobility in soil:** No further relevant information available.

**Additional ecological information**
**General notes:**

Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.

**Results of PBT and vPvB assessment:**
**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects:** No further relevant information available.

**13 Disposal Considerations**
**Waste treatment methods**
**Recommendation:**

Observe all federal, state and local environmental regulations when disposing of this material.

**Uncleaned packaging**
**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agent:** Water, if necessary with cleansing agents

**14 Transport Information**
**UN-Number**
**DOT, ADR/ADN, ADN, IMDG, IATA:** Non-Regulated Material

**UN proper shipping name**
**DOT, ADR/ADN, ADN, IMDG, IATA:** Non-Regulated Material.

**Hazard class(es)**
**DOT, ADR/ADN, ADN, IMDG, IATA:** Non-Regulated Material.

**Packing group:**
**DOT, ADR/ADN, IMDG, IATA:** Non-Regulated Material.

**Environmental hazards:**

Not applicable.

**Special precautions for user:**

Not applicable.

**Transport in bulk according to Annex II of MARPOL**
**73/78 and the IBC Code:** Not applicable.

**UN "Model Regulation":** Non-Regulated Material.

**15 Regulatory Information**
**Classification system: NFPA/HMIS Definitions:** 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

**NFPA ratings (scale 0-4)**

 Health=0  
 Fire=0  
 Reactivity=0

**HMIS-ratings (scale 0-4)**

 Health=0  
 Fire=0  
 Reactivity=0

**Safety, health**
**and environmental regulations/legislation specific for the substance or mixture**
**SARA (Superfund Amendments and Reauthorization):**
**Section 355 (extremely hazardous substances):**

26628-22-8	Sodium Azide
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**Section 313 (Specific toxic chemical listings):**

26628-22-8	Sodium Azide
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**TSCA (Toxic Substances Control Act) Inventory:**

Complies

<b>Hazardous Air Pollutants</b>		
None of the ingredients are listed.		
<b>California Proposition 65:</b>		
<b>Chemicals known to cause cancer:</b>		
None of the ingredients are listed.		
<b>Chemicals known to cause reproductive toxicity for females:</b>		
None of the ingredients are listed.		
<b>Chemicals known to cause reproductive toxicity for males:</b>		
None of the ingredients are listed.		
<b>Chemicals known to cause developmental toxicity:</b>		
None of the ingredients are listed.		
<b>New Jersey Right-to-Know List</b>		
26628-22-8	Sodium Azide	
<b>New Jersey Special Hazardous Substance List:</b>		
26628-22-8	Sodium Azide	R3
<b>Pennsylvania Right-to-Know List:</b>		
26628-22-8	Sodium Azide	
57-50-1	Sucrose, Pure	
<b>Pennsylvania Special Hazardous Substance List:</b>		
26628-22-8	Sodium Azide	E
<b>Carcinogenic categories:</b>		
<b>EPA (Environmental Protection Agency):</b>		
None of the ingredients are listed.		
<b>TLV (Threshold Limit Value established by ACGIH):</b>		
57-50-1	Sucrose, Pure	A4
26628-22-8	Sodium Azide	A4
<b>NIOSH (National Institute for Occupational Safety and Health)</b>		
None of the ingredients are listed.		
<b>GHS label elements:</b> Non-Regulated Material		
<b>Hazard pictograms:</b> Non-Regulated Material		
<b>Signal word:</b> Non-Regulated Material		
<b>Hazard Statements:</b> Non-Regulated Material.		
<b>Natural regulations:</b>		
None of the ingredients are listed		
<b>Chemical safety assessment:</b> A Chemical Safety Assessment has not been carried out.		

**16 Other Information**

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the sustainability of the material or product for any particular purpose.

**Date of preparation / last revision:** 4/22/2019 / 8

**Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 IATA: International Air Transportation Association  
 ACHIH: American Conference of Governmental Industrial Hygienists  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 NFPA: National Fire Protection Association (USA)  
 HMIS: Hazardous Materials Identification System (USA)  
 VOC: Volatile Organic Compounds (USA, EU)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 NIOSH: National Institute for Occupational Safety and Health  
 OSHA: Occupational Safety & Health Administration  
 TLV: Threshold Limit Value  
 PEL: Permissible Exposure Limit  
 REL: Recommended Exposure Limit

\* **Data compared to the previous version altered**

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