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GHS Safety Data Sheets

The Mystery of Lyle and Louise Glass Fragment Identification

This document contains GHS safety data sheets for the following kit items:

- **Refractive Index Liquids**

Safety Data Sheet

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Section 1 - Chemical Product and Company Identification

Name: Glucose Solution
Common names: Corn Syrup, Dextrose Solution

Chemtrec Phone: 800-424-9300
National Response Center 800-424-8802

Product Use: Laboratory reagent
Product Number: VIH10263

Section 2 - Hazard Identification

This product is considered non-hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) if used as directed.

Target Organs: None

Section 3 - Composition / Information on Ingredients

<u>Ingredient</u>	<u>CAS No.</u>	<u>Percent</u>
Corn Syrup	8029-43-4	Variable
Water	7732-18-5	Variable

Section 4 - First Aid Measures

INGESTION: Rinse mouth with cold water. Give victim 1-2 cups of water or milk to drink. Induce vomiting immediately. Obtain immediate medical attention.

INHALATION: Remove to fresh air immediately. If breathing is difficult, give oxygen. Get medical attention for any breathing difficulty. Do not use mouth-to-mouth resuscitation.

SKIN CONTACT: Remove contaminated clothing and shoes. Immediately flush affected skin with large amounts of water for a minimum of 15 minutes and then wash with soap and water. Obtain immediate medical attention if irritation, blisters, or redness develop.

EYE CONTACT: Immediately flush eyes with copious quantities of water for at least 15 minutes, holding open eyelids to ensure adequate flushing. Obtain immediate medical attention if persistent irritation occurs.

Section 5 - Fire-Fighting Measures

General information: Emits acrid fumes when heated to decomposition! Firefighters should wear full firefighting turn-out gear and respiratory protection. Cool container with water spray. Material is not sensitive to mechanical impact or static discharge.

Vapors may ignite when exposed to ignition source and may explode within confined spaces. May float and be ignited on top of surface water. Flammable vapors may be present below the flash point temperature.

Extinguishing Media: Foam or dry chemical.

Flash Point: No information found

Autoignition temperature: No information found

Explosion Limits: Lower: N/A **Upper:** N/A

Section 6 - Accidental Release Measures

Use recommended personal protection. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Contain spill with sand or absorbent material and place material in a sealed bag or container for disposal. Wash spill area after pickup is complete.

Section 7 - Handling and Storage

Handling: Use with adequate ventilation. Avoid inhalation of dust or vapor. Avoid contact with skin, eyes, or clothing. Wash hands thoroughly after handling.

Storage: Store in General Storage Area with like items with no specific storage hazards. Store in a cool, dry, well-ventilated, locked store room away from incompatible materials.

Section 8 - Exposure Controls / Personal Protection

Airborne Exposure Limits:

OSHA Permissible Exposure Limit (PEL): N/A

ACGIH Threshold Limit Value (TLV): N/A

ACGIH Biological Exposure Indices (BEI): N/A

NIOSH Recommended Exposure Limit (REL): N/A

Personal Respirators: N/A

Skin Protection: Wear protective gloves and clean body-covering clothing.

Eye Protection: Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposure low.

General: Wash after handling. Ensure fire extinguishers are readily available.

Section 9 - Physical and Chemical Properties

Appearance: Clear, viscous liquid

Odor: Sweet

Odor Threshold: No information found

pH: No information found

Melting Point: No information found

Boiling Point: Acetone: No information found

Flash Point: No information found

Evaporation Rate (BuAc=1): No information found

Flammability: Flammable

Flammability/explosive limits: No information found

Vapor Density (Air=1): No information found

Vapor Pressure (mm Hg): No information found

Relative Density/Specific Gravity: No information found

Solubility: Soluble in water

Partition Coefficient: No information found.

Auto-ignition Temperature: No information found.

Decomposition Temperature: No information found.

Viscosity: No information found

Section 10 - Stability and Reactivity

Reactivity: Nonreactive

Chemical stability: Stable

Hazardous Reactions: No information found

Conditions to avoid: Incompatible materials, ignition sources, excess heat, moisture

Incompatible materials: Strong oxidizing agents

Hazardous decomposition products: Carbon monoxide, carbon dioxide.

Hazardous polymerization: Will not occur.

Section 11 - Toxicological Information

Toxicological Data

Acute Dermal LD50 (Rabbits): N/A

Acute Oral LD50 (Rats): N/A

Material has not been found to be a carcinogen, nor to produce genetic, reproductive, or developmental effects.

Acute Symptoms/Signs of Exposure

Eyes: Redness, tearing, itching, burning, conjunctivitis.

Skin: Redness, itching.

Ingestion: Irritation and burning sensations of mouth and throat, nausea, vomiting and abdominal pain.

Inhalation: Irritation of mucous membranes, coughing, wheezing, shortness of breath.

Section 12 - Ecological Information

Not considered an environmental hazard.

Section 13 - Disposal Considerations

Check with all applicable local, regional, and national laws and regulations. Local regulations may be more stringent than regional or national regulations. Small amounts of this material may be suitable for sanitary sewer or trash disposal. Material is non-hazardous per 40 CFR 261

Section 14 - Transport Information

Not regulated by DOT or TDG.

Section 15 - Regulatory Information

Not listed for regulatory control.

Section 16 - Other Information

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WHMIS: SDS prepared according to hazard criteria of controlled products regulations (CPR) and SDS contains all information required by CPR.

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