



### SECTION 1 - IDENTIFICATION AND SUPPLIER

- 1.1 Product identifier**  
LST Heavy Liquid
- 1.2 Description**  
Solution of lithium heteropolytungstates in water
- 1.3 Details of the supplier and of the safety data sheet**  
**Manufacturer/Distributor**  
 GeoLiquids, Inc.  
 15 East Palatine Road, Suite 109  
 Prospect Heights, IL 60070 USA  
 847-215-0938 | 800-827-2411
- 1.4 Emergency telephone number**  
Call INFOTRAC 1-800-535-5053 | 24 hour emergency

### SECTION 2 - HAZARDS IDENTIFICATION

Hazardous according to criteria of Worksafe Australia.

- 2.1 UN Number:** No UN Number allocated.
- 2.2 Dangerous Goods Class:** Not a dangerous good.
- 2.3 Hazchem Code:** None allocated.
- 2.4 Poisons Schedule:** Not scheduled.

### SECTION 3 - COMPOSITION

Ingredients (solution in water):

NAME	CAS NO	Proportion
Lithium heteropolytungstates	-	>80%

### SECTION 4 - FIRST AID MEASURES

- 4.1 Description of first aid measures**
  - Ingestion: If swallowed and feeling unwell contact Doctor or Poisons Information Centre.
  - Eye: If in eye rinse out with running water for at least 15 minutes. Contact a doctor immediately.
  - Skin: If on skin wash off immediately with water.
  - Advice to Doctor: Treat Symptomatically.

### SECTION 5 - FIRE FIGHTING MEASURES

- 5.1 Fire Hazard:** Not a fire hazard. Does not burn.
- 5.2 Explosion Hazard:** Not an explosion hazard.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

- 6.1 Spills and Disposal:** If spilled do not allow substance to enter waterways. If liquid, dike area and absorb with inert material such as sawdust. Dispose of in accordance with Federal, regional and local requirements.

### SECTION 7 - HANDLING AND STORAGE

- 7.1 Handling:** For laboratory use only. Observe good laboratory practice. Wear safety glasses. Wear rubber gloves if skin contact is possible.
- 7.2 Storage:** The material is not a dangerous good. The material may have slight oxidizing characteristics. Store in plastic containers out of direct sunlight.

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Engineering Controls:****8.2 Personal Protection:****Skin:**

Impermeable rubber, vinyl or nitrile gloves should be worn when handling the material.

**Eyes:**

Safety glasses/goggles must be worn when handling LST Heavy Liquid or its solids.

**Respiratory:**

Not likely to be a route of exposure. Immediately clean up spills to prevent accumulation of dust from dried LST Heavy Liquid.

**Ingestion:**

Do not allow eating, drinking or smoking in areas where LST Heavy Liquid is to be stored or used.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear to pale colored liquid. No noticeable odor.
<b>pH:</b>	4
<b>Melting Point:</b>	Not Applicable.
<b>Boiling Point:</b>	105 °C
<b>Specific Gravity:</b>	2.850 kg/m <sup>3</sup> .
<b>Vapor Pressure:</b>	Negligible vapor pressure of solids.
<b>Flash Point:</b>	Not flammable.
<b>Flammability Limits:</b>	Not flammable.
<b>Solubility Limits:</b>	Miscible with water.

**SECTION 10 - STABILITY AND REACTIVITY**

<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Reactivity:</b>	Can turn dark blue in contact with reducing agents such as metals

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Information on basic physical and chemical properties  
Acute dermal (Rat) > 2 000 mg/kg  
Non-irritant to skin (Rabbit)  
Irreversible damage to eye (crystals under Rabbit eyelid)  
Non skin-sensitizer (Guinea Pig)  
Non mutagenic in Salmonella typhimurium  
Not clastogenic in Mouse Micronucleus Assay

**SECTION 12 - ECOLOGICAL INFORMATION**

**Ecotoxicity:**  
LC50 (96 hr) in Fathead Minnow 94.7 mg/L  
LC50 (48 hr) Daphnia magna 288.6 mg/L  
LC50 (14 day) Daphnia magna 2.47 mg/L  
Miscible with water

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**Disposal Method:** Disposal of material and containers should be in accordance with applicable national, regional and local regulations.

**SECTION 14 - TRANSPORT AND INFORMATION**

**Transport:** The material is not a dangerous good.

**SECTION 15 - REGULATORY INFORMATION**

<b>UN Number:</b>	No UN Number allocated.
<b>Dangerous Goods Class:</b>	Not a dangerous good.
<b>Hazchem Code:</b>	None allocated.
<b>Poisons Schedule:</b>	Not scheduled.

SDS Prepared by:  
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