



# GEOLIQUIDS, INC.

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## SAFETY DATA SHEET LST Heavy Liquid

### 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.  
4 E. Piper Lane, Suite F  
Prospect Heights, IL 60070  
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 oxidising 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

Appearance:	Clear to pale coloured liquid. No noticeable odour.
pH:	4
Melting Point:	Not Applicable.
Boiling Point:	105 °C
Specific Gravity:	2 850 kg/m <sup>3</sup> .
Vapour Pressure:	Negligible vapour pressure of solids.
Flash Point:	Not flammable.
Flammability Limits:	Not flammable.
Solubility Limits:	Miscible with water.

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions.
Reactivity:	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-sensitiser (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

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

SDS Prepared by:  
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