



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

Appearance:	Clear to pale colored liquid. No noticeable odor.
pH:	4
Melting Point:	Not Applicable.
Boiling Point:	105 °C
Specific Gravity:	2.850 kg/m ³ .
Vapor Pressure:	Negligible vapor 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-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 regula-

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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