

# LST HEAVY LIQUID

## SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION AND SUPPLIER

**Product Name:** LST Heavy Liquid.  
**Description:** Solution of lithium heteropolytungstates in water.  
**Use:** Material separation by density  
**Company:** Central Chemical Consulting Pty Ltd  
**ABN:** 21 009 431 494  
**Address:** 1/11 Narloo Street, Malaga, Western Australia 6090  
**Information Telephone No:** 61 8 9248 2739  
**Emergency Telephone No:** 61 8 9248 2739  
*or* 61 8 9246 1102 (out of hours)  
**Facsimile No:** 61 8 9248 2749

### SECTION 2: HAZARD IDENTIFICATION

#### 2.1 GHS Classification

Eye irritation (Category 2A)

#### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H318

Causes serious eye damage

Precautionary statement(s)

P264

Wash skin thoroughly after handling

P280

Wear protective gloves/eye protection/face protection

Response

P305 + P351 + P338

IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

P310

Get medical advice/attention.

#### 2.3 Other hazards - none

### SECTION 3: COMPOSITION

#### Ingredients (solution in water):

NAME	CAS NO	Proportion
Lithium heteropolytungstates	-	>80%

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### SECTION 4: 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

**Fire Hazard:** Not a fire hazard. Does not burn.

**Explosion Hazard:** Not an explosion hazard.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**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

**Handling:** For laboratory use only. Observe good laboratory practice. Wear safety glasses. Wear rubber gloves if skin contact is possible.

**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 CONTROL/PERSONAL PROTECTION

**Engineering Controls:**

**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.

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Liquid
<b>Color</b>	Clear to pale yellow
<b>Odor</b>	Odourless
<b>Freezing Point</b>	Not applicable
<b>Boiling Point</b>	105°C
<b>Flammability</b>	Not flammable
<b>Upper/lower flammability</b>	Not applicable
<b>Flash Point</b>	Not flammable
<b>Auto-ignition Temperature</b>	Not flammable
<b>Decomposition Temperature</b>	No information available
<b>Evaporation Rate</b>	No information available
<b>pH</b>	4
<b>Kinematic Viscosity</b>	3.7 mm <sup>2</sup> /s
<b>Dynamic viscosity</b>	10 mPa/s
<b>Solubility in water</b>	Miscible
<b>Partition coefficient: n-octanol/water</b>	No information available
<b>Vapor Pressure</b>	No information available
<b>Specific Gravity</b>	2.85
<b>Vapor Density (Air = 1)</b>	No information available
<b>Particle characteristics</b>	Not applicable

### SECTION 10: STABILITY AND REACTIVITY

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

### SECTION 11: TOXICOLOGICAL INFORMATION

Acute Oral LD 50 (rat) > 2 000 mg/kg  
Acute dermal (rat) > 2 000 mg/kg  
Non-irritant to skin (Rabbit)  
Non skin-sensitiser (Guinea Pig)  
Non mutagenic in Salmonella typhimurium  
Not clastogenic in Mouse Micronucleus Assay

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### 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 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.

### SECTION 16: OTHER INFORMATION

Revised December 2016