

## LST HEAVY LIQUID

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Date of issue: 15 April 2003

### MATERIAL SAFETY DATA SHEET

Hazardous according to criteria of Worksafe Australia.

#### COMPANY DETAILS

**COMPANY:** Central Chemical Consulting Pty Ltd  
**ABN:** 21 009 431 494

**ADDRESS:** PO Box 2546, Malaga, Western Australia 6944

**INFORMATION**  
**TELEPHONE NUMBER:** 61 8 9248 2739

**EMERGENCY**  
**TELEPHONE NO:** 61 8 9248 2739 *or* 61 8 9246 1102 (out of hours)

**FACSIMILE NUMBER:** 61 8 9248 2749

#### IDENTIFICATION

**Product Name:** LST Heavy Liquid.

**Description:** Solution of lithium heteropolytungstates in water.

**Manufacturers Code:** Not applicable.

**UN Number:** No UN Number allocated.

**Dangerous Goods Class and Subsidiary Risk:** Not a dangerous good.

**Hazchem Code:** None allocated.

**Poisons Schedule:** Not scheduled.

**Use:** Heavy liquid for density separation of minerals and ores.

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### Physical Description/Properties:

<b>Appearance:</b>	Clear to pale coloured liquid.
<b>Melting Point:</b>	Not Applicable.
<b>Vapour Pressure:</b>	Negligible vapour pressure of solids.
<b>Specific Gravity:</b>	2 850 kg/m <sup>3</sup> .
<b>Flash Point:</b>	Not flammable.
<b>Flammability Limits:</b>	Not flammable.
<b>Solubility Limits:</b>	Miscible with water.

### Ingredients:

NAME	CAS NO	Proportion
Lithium heteropolytungstates	-	>80%

## HEALTH HAZARD INFORMATION

### HEALTH EFFECTS

#### *ACUTE EFFECTS:*

<i>Swallowed:</i>	Unlikely to cause significant effects. Not expected to be a route of exposure.
<i>Eye:</i>	Crystalline solids are a severe eye irritant. May cause irreversible damage.
<i>Skin:</i>	Non-irritant.
<i>Inhaled:</i>	Not likely to be a route of exposure.

#### *CHRONIC EFFECTS:*

Repeated dose studies in animals suggest irritation to gastrointestinal tract may occur.

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### FIRST AID:

<i>Swallowed:</i>	If swallowed and feeling unwell contact Doctor or Poisons Information Centre.
<i>Eye:</i>	If in eye rinse out with running water for at least 15 minutes. Contact a doctor immediately.
<i>Skin:</i>	If on skin wash off immediately with water.
<b>Advice to Doctor:</b>	Treat Symptomatically.

## PRECAUTIONS FOR USE

<b>Exposure Limits:</b>	No exposure standards have been established for this substance by Worksafe Australia.
<b>Engineering Controls:</b>	The substance should be used in systems which recover and recycle LST Heavy Liquid.
<b>Personal Protection:</b>	
<i>Skin:</i>	Impermeable rubber, vinyl or nitrile gloves should be worn when handling the material.
<i>Eyes:</i>	Safety glasses/goggles must be worn when handling LST Heavy Liquid or its solids.
<i>Respiratory:</i>	Not likely to be a route of exposure. Immediately clean up spills to prevent accumulation of dust from dried LST Heavy Liquid.
<i>Ingestion:</i>	Do not allow eating, drinking or smoking in areas where LST Heavy Liquid is to be stored or used.
<b>Flammability:</b>	Not flammable.

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### SAFE HANDLING INFORMATION

- Storage and Transport:** The material is not a dangerous good. The material may have slight oxidising characteristics. Store in plastic containers out of direct sunlight.
- 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, State and Local requirements.
- Fire/Explosion Hazard:** Will not present fire/explosion hazard.

### OTHER INFORMATION ON CRYSTALLINE LST SOLIDS:

Acute Oral LD 50 (rat) > 2 000 mg/kg  
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  
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

**CONTACT POINT:** Technical Manager 61 8 9248 2739