

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:

Appearance:	Clear to pale coloured liquid.
Melting Point:	Not Applicable.
Vapour Pressure:	Negligible vapour pressure of solids.
Specific Gravity:	2 850 kg/m ³ .
Flash Point:	Not flammable.
Flammability Limits:	Not flammable.
Solubility Limits:	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.
Advice to Doctor:	Treat Symptomatically.

PRECAUTIONS FOR USE

Exposure Limits:	No exposure standards have been established for this substance by Worksafe Australia.
Engineering Controls:	The substance should be used in systems which recover and recycle LST Heavy Liquid.
Personal Protection:	
<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.
Flammability:	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