

LST HEAVY LIQUID

MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION AND SUPPLIER

Product Name: LST Heavy Liquid.
Description: Solution of lithium heteropolytungstates in water.
Company: Central Chemical Consulting Pty Ltd
ABN: 21 009 431 494
Address: PO Box 2546, Malaga, Western Australia 6944
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

Hazardous according to criteria of Worksafe Australia.

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

SECTION 3: COMPOSITION

Ingredients (solution in water):

NAME	CAS NO	Proportion
Lithium heteropolytungstates	-	>80%

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.

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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.

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/m³.

Vapour Pressure: Negligible vapour pressure of solids.

Flash Point: Not flammable.

Flammability Limits: Not flammable.

Solubility Limits: Miscible with water.

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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

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

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

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

SECTION 16: OTHER INFORMATION

Revised January 2015