LST HEAVY LIQUID CRYSTALS

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION AND SUPPLIER

Product Name:	LST Heavy Liquid Crystals.
Description:	Solid lithium heteropolytungstates.
Use:	Preparation of LST Heavy Liquid for material separations 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* 13 11 26 Poisons Information Centre (out of hours)

SECTION 2: HAZARD IDENTIFICATION

2.1 GHS Classification

Serious Eye Damage (Category 1)

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 cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P317	Get medical help.

2.3 Other hazards - none

SECTION 3: COMPOSITION

NAME	CAS NO	Proportion
Lithium heteropolytungstate hydrates	-	>99%

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. Sweep up solids. 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 the solids.

Ingestion: Do not allow eating, drinking or smoking in areas where LST Heavy Liquid Crystals are to be stored or used.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Solid
Color	White to pale yellow
Odor	Not applicable
Freezing Point	Not applicable
Boiling Point	Not applicable
Flammability	Not flammable
Upper/lower flammability	Not applicable
Flash Point	Not flammable
Auto-ignition Temperature	Not flammable
Decomposition Temperature	No information available
Solubility in water	Highly Soluble
Particle characteristics	No information available

SECTION 10: STABILITY AND REACTIVITY

Reactivity: When dissolved in water, can turn dark blue in contact with reducing agents such as metals

Chemical Stability: 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

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

Highly soluble in 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 April 2026