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):

<table>
<thead>
<tr>
<th>NAME</th>
<th>CAS NO</th>
<th>Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lithium heteropolytungstates</td>
<td>-</td>
<td>&gt;80%</td>
</tr>
</tbody>
</table>

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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/PERSOAL 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Clear to pale yellow</td>
</tr>
<tr>
<td>Odor</td>
<td>Odourless</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>105°C</td>
</tr>
<tr>
<td>Flammability</td>
<td>Not flammable</td>
</tr>
<tr>
<td>Upper/lower flammability</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not flammable</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not flammable</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No information available</td>
</tr>
<tr>
<td>pH</td>
<td>4</td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>3.7 mm²/s</td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>10 mPa/s</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Miscible</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No information available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>2.85</td>
</tr>
<tr>
<td>Vapor Density (Air = 1)</td>
<td>No information available</td>
</tr>
<tr>
<td>Particle characteristics</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** 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

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 December 2016