



## STATEMENT OF HAZARDOUS NATURE

Hazardous According to Criteria of Work safe Australia.

### IDENTIFICATION

Product Name:	Liquid Intelligents 251
Chemical Name:	Battery Reviver.
Other Names:	Not Applicable.
Manufacturer's Product Code:	251.
UN Number:	2810.
Dangerous Goods Class	6.1
Subsidiary Risk[s]:	8.
Hazchem Code:	2XE.
EPG NO:	No Data.
Poisons Schedule Number:	6.
Toxic and Hazardous Ingredients:	Cadmium Sulphate, Oxalic Acid.
Uses:	Chemical additive for increasing performance and longer life to lead-acid batteries.

### PHYSICAL DESCRIPTION AND PROPERTIES.

Colour:	Light Yellow.
Appearance:	Light Yellow acrid odour clear liquid.
Form:	Liquid.
Boiling Point:	100°C.
Melting Point:	Not Applicable.
Vapour Pressure:	Unknown.
Specific Gravity:	1.2.
Volatiles:	Not Applicable.
Evaporation Rate:	Water.
Vapour Density:	No Data.
Odour:	Acrid Odour.
Solubility in Water:	100% @ 20°C.

## FLASH POINT

Solvent:	Not Applicable
Lubricant residue:	>200°C
Flammability Limits:	No Data
Auto ignition Temperature:	>450°C

### OTHER PROPERTIES

Non-explosive.

## MATERIAL SAFETY DATA SHEET

### INGREDIENTS

Chemical Name	CAS Number	Proportion
Cadmium Sulphide	1306-23-6	Low <10%
Water	Not Known	Med 30-60%
Non-hazardous unscheduled inorganic salts*		Low <10%
Oxalic Acid	144-62-7	Med 30-60%

### HEALTH HAZARD INFORMATION

#### HEALTH EFFECTS:

##### Acute:

**Swallowed:** Can kill if swallowed. Will cause severe damage to the mucous membranes May cause severe burns to the mouth, throat and stomach. Ingestion can cause nausea and vomiting. Ingestion can result in abdominal pain.

**Skin:** Highly corrosive to skin. Causes severe burn.

**Eyes:** Corrosive to eyes, contact can cause corneal burns. Permanent eye damage, including loss of sight, may occur.

**Inhaled:** Harmful by inhalation. Possible harmful corrosive effects. High concentrations of vapour can cause severe irritation of the respiratory.

##### Chronic:

**LC 50:** No Data

**LD 50:** 2140 mg/kg

#### FIRST AID:

**Swallowed:** Rinse mouth thoroughly with water immediately. Give water to drink. **DO NOT INDUCE VOMITING.** Seek immediate medical assistance. Poison Information Centres in each State capital city can provide additional assistance for scheduled poisons.

**Skin:** Wash effected areas with copious quantities of water immediately. Remove contaminated clothing and wash before reuse. Treat skin and clothing with 1% sodium bicarbonates solution to neutralise acid residues. If irritation occurs seek medical advice.

**Eyes:** Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical assistance.

## MATERIAL SAFETY DATA SHEET

**Inhaled:** Remove victim from exposure-avoid becoming causality. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek medical attention.

### FIRST AID FACILITIES:

### ADVICE TO PHYSICIANS:

Consult Poisons Information Centre. Treat symptomatically as for strong acids.

### PRECAUTIONS FOR USE:

**Exposure Standards:** TLV/TWA: 1 mg/m<sup>3</sup>, STEL: 3 mg/m<sup>3</sup> Work safe Australia

**Engineering Controls:** Maintain concentration below recommended exposure limit. Use with local exhaust ventilation or: Combination particulate/gas respirator, Class 8, (Inorganic Vapour). Self-contained breathing apparatus may be needed for prolonged periods of exposure.

### PRECAUTIONS FOR USE:

**Personal Protection:** Special clothing, gloves or breathing apparatus is required if contact could occur. Hands must be washed with soap and water: -after handling, before using the toilet, before contact with foodstuffs, eating, drinking or smoking.

**Flammability:** Nil.

### SAFE HANDLING INFORMATION

**Storage and Transport:** Store away from foodstuffs.  
Use dry, security rated storage as used for schedule 6  
poison categories.  
Transport as per dangerous goods regulations.

**Storage Temperature:** Store in a cool dry place away from strong alkalis.

**UN Class:** 6.1.

**Packaging Group:** I (603).

**UN Number:** Non-Assigned Mixture.

## MATERIAL SAFETY DATA SHEET

<b>EPG Number:</b>	<b>Non-Assigned Mixture.</b>
<b>Correct Shipping Name:</b>	<b>Toxic liquid, organic, n.o.s.</b>
<b>Spills and Disposals:</b>	<b>Do not let spills enter drains, clean up with water and absorbent materials, dispose of waste according to the laws and by-laws set down for the proper disposal of poisons and dangerous goods.</b>
<b>Fire/Explosion Hazard:</b>	<b>In the case of fire, breathing apparatus is required when extreme temperatures can cause vaporisation of the cadmium content.</b>
<b>Decomposition Products:</b>	<b>No Data.</b>
<b>Hazchem Code:</b>	<b>No Data.</b>
<b>Extinguishant:</b>	<b>No Data.</b>

### DANGER OF VIOLENT REACTION OR EXPLOSION:

<b>Protective Clothing;</b>	<b>Splash Proof Goggles, Gloves.</b>
<b>Appropriate Measures;</b>	<b>No Data.</b>
<b>Evacuate;</b>	<b>No Data.</b>

### CONTACT POINT:

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<b><u>24 Hour Emergency Tel No.</u></b>	<b>Above Mobile Phones</b>
<b><u>Emergency Services</u></b>	<b>Dial 000</b>

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