

**SAFETY DATA SHEET**

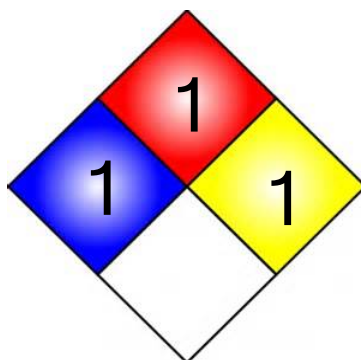
# LeachAid UL™

**SECTION 01 - IDENTIFICATION**

<b>Product identifier</b>	LeachAid UL
<b>Recommended use of chemical</b>	Mineral Processing Aid
<b>Supplier name</b>	ConSep Pty Ltd
<b>Supplier address</b>	59 Newton Road Wetherill Park NSW 2164, Australia
<b>Prepared by</b>	Ixom Operations Pty Limited trading as LogiChem
<b>Phone</b>	+61 2-9756-5299
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**SECTION 02 – HAZARD(S) IDENTIFICATION**


**NFPA Classification**



**HMIS Ratings**

Health Hazard	1
Fire Hazard	1
Reactivity	1

HAZARD RATING	
4 Extreme	1 Slight
3 Serious	0 Minimal
2 Moderate	

<b>Classification</b>	Serious Eye Damage/Irritation - Category 2A Sensitisation (Skin) - Category 1
<b>Signal word</b>	Warning
<b>Pictogram</b>	
<b>Hazard statements</b>	H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation.
<b>Precautionary statements</b>	<b>Prevention</b> P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash exposed skin thoroughly after handling. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves/protective clothing/eye protection/face protection. <b>Response</b> P302 / P352 - IF ON SKIN: Wash with plenty of soap and water. P305 / P351 / P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333 / P313 - If skin irritation or rash occurs: Get medical advice/attention. P337 / P313 - If eye irritation persists: Get medical advice/attention. P363 - Wash contaminated clothing before reuse. P321 - Specific treatment (see First Aid Measures on Safety Data Sheet).



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**Disposal**

P501 - Dispose of contents/container in accordance with local / regional / national / international regulations.

**SECTION 03 – COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Substance name:</b>	<b>Proportion % w/w</b>
Proprietary Blend of Non-hazardous Organic & Inorganic Compounds	>95.0%
Water	<3.0%

**SECTION 04 – FIRST AID MEASURES**

<b>Description of necessary first aid measures</b>	<p><b>Eye</b> – Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.</p> <p><b>Ingestion</b> - If swallowed, immediately rinse out mouth and then drink plenty of water. DO NOT induce vomiting. Seek medical attention as a precaution.</p> <p><b>Inhalation</b> – If dust or powder is inhaled, remove affected person to fresh air. Rinse nose, mouth and throat with water. If breathing remains difficult seek medical attention.</p> <p><b>Skin</b> - Remove contaminated clothing and shoes. Immediately flush skin with plenty of water for at least 15 minutes. Wash clothing and shoes before reuse. Get medical attention if irritation develops.</p>
<b>Medical attention / special treatment</b>	For methemoglobinemia, administer oxygen alone or with Methylene blue, depending on the methemoglobin concentration in the blood.
<b>Symptoms caused by exposure</b>	Not available.

**SECTION 05 – FIRE FIGHTING MEASURES**

<b>Suitable extinguishing media</b>	Small Fire: Use dry chemical powder. Large Fire: Use water spray, fog or foam or carbon dioxide. Do Not Use water jet as it might cause frothing.
<b>Specific hazards arising from the chemical</b>	Over 350°C the material will burn and support combustion. Hazardous decomposition products include oxides of nitrogen, oxides of sulfur, carbon monoxide and some metal oxides.
<b>Special protective equipment &amp; precautions for fire fighters</b>	Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk. Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves).

**SECTION 06 – ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions, protective equipment and emergency procedures</b>	Personnel involved in the clean up should wear full protective clothing as listed in Section 08. Avoid accidents, clean up immediately. Slippery when spilt. Ground all equipment containing material. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Reduce airborne dust and prevent scattering by moistening with water. Avoid breathing dust. Stop leak if safe to do so. Isolate the danger area. Use clean, non-sparking tools and equipment.
<b>Environmental precautions</b>	Do NOT let product reach drains or waterways.
<b>Methods and materials for containment and cleaning up.</b>	Contain and sweep/shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to a suitable, labelled container and dispose of promptly as hazardous waste. Clean up spills in a manner that does not disperse dust into the air. Reduce airborne dust and prevent



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	scattering by moistening with water. Use non - sparking tools and equipment. Use grounded / bonded equipment and containers when transferring. Pick up spill for recover of disposal and place in a closed container.
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**SECTION 07 – HANDLING AND STORAGE**

<b>Precautions for safe handling</b>	Use only in a well-ventilated area. Minimize dust generation and accumulation. Use personal protective equipment (refer Section 08) to avoid breathing dust or mist and to avoid contact with eyes and skin. Close containers immediately after using.
<b>Conditions for Safe Storage (Including Any Incompatibles)</b>	Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

**SECTION 08 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Control parameters – exposure standards, biological monitoring</b>	Not available.
<b>Appropriate engineering controls</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. If needed, use process enclosure, local exhaust ventilation or other engineering controls to control airborne levels.
<b>Personal protective equipment (PPE)</b>	<b>Clothing</b> – Wear appropriate protective clothing to prevent skin exposure. <b>Eyes</b> – Wear protective goggles to keep dust from eyes. <b>Footwear</b> – Wear protective safety footwear. <b>Gloves</b> – Wear appropriate protective gloves to prevent skin exposure. <b>Other</b> - Wear an air purifying dust and mist mask.

**SECTION 09 – PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Cream-colored granules (prill)
<b>Odour</b>	Faint caramel smell
<b>pH (in 5% solution)</b>	Approx 8
<b>Specific gravity (water = 1)</b>	~0.75
<b>Boiling point and boiling range</b>	Not applicable
<b>Flash point</b>	Well above 100°C
<b>Vapour pressure (hPa @ 20°C)</b>	Not determined
<b>Relative Vapour Density (Air)=1</b>	Not applicable
<b>Lower Explosive Limit (%)</b>	Not applicable
<b>Upper Explosive Limit (%)</b>	Not applicable
<b>Solubility(ies) (water)</b>	Soluble

**SECTION 10 – STABILITY AND REACTIVITY**

<b>Reactivity</b>	Not available.
<b>Chemical stability</b>	Stable at room temperature in closed containers under normal storage and handling conditions.
<b>Conditions to avoid</b>	Incompatible materials, exposure to moist air or water, generating dust.
<b>Incompatible materials</b>	Incompatible with strong oxidizers and with the following metals: brass, copper, nickel, cadmium.
<b>Hazardous decomposition products</b>	Nitrogen oxides, carbon monoxide, oxides of sulfur, carbon dioxide and some metallic oxides are products of combustion.

**SECTION 11– TOXICOLOGICAL INFORMATION**

<b>Information on routes of exposure</b>	<b>Eyes</b> – Causes serious eye irritation. Exposure can cause redness, tearing, tissue destruction, irritation on prolonged contact.
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	<p><b>Ingestion</b> - May be harmful if swallowed. May cause digestive tract disturbances. Expected to be a low ingestion hazard. Ingestion nitrate containing compounds can lead to methemoglobinemia.</p> <p><b>Inhalation</b> - May be harmful if inhaled. May cause shortness of breath and respiratory tract irritation. Prolonged exposure may cause anaemia and methemoglobinemia, characterized by dizziness, drowsiness, headache, breath shortness, cyanosis (bluish skin due to deficient oxygenation of the blood), rapid heart rate and chocolate - brown coloured blood.</p> <p><b>Skin</b> - May be harmful if absorbed through skin. May cause skin irritation. May cause skin sensitisation, an allergic reaction, which becomes evident upon re-exposure to this material. May cause redness, irritation of skin.</p>
<b>Symptoms related to exposure</b>	Not available.
<b>Numerical measures of toxicity</b>	Not available.
<b>Immediate, delayed and chronic health effects from exposure</b>	Not available.
<b>Exposure levels</b>	Not available.
<b>Interactive effects</b>	Not available.
<b>Data limitations</b>	Not available.

### SECTION 12- ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Oral (rat) LD50: >11000mg/kg Draize test, rabbit, eye: 20 mg/24H Moderate; Draize test, rabbit, skin: 500 mg/24H Mild
<b>Persistence and degradability</b>	Not available.
<b>Bioaccumulative potential</b>	No bioaccumulation is expected in soil or water.
<b>Mobility in soil</b>	Not available.
<b>Other adverse effects</b>	The principal ingredients of LeachAid are all biodegradable and no bioaccumulation is expected in soil or water. As a result, this product is not regarded as dangerous to the environment.

### SECTION 13 - DISPOSAL CONSIDERATIONS

<b>Safe handling and disposal methods</b>	Avoid generating dust. Sweep up spill and vacuum up remaining material. Recovered material may generally be re-used after separation of any foreign materials (e.g. grit). If needed, redundant material can be disposed of through incineration by an approved facility. Small amounts can be disposed together with small amounts of industrial waste to approved landfill sites.
<b>Disposal of any contaminated packaging</b>	Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.
<b>Environmental regulations</b>	Not available.

### SECTION 14 - TRANSPORT INFORMATION

LeachAid is NOT subject to Australian Export Controls under regulation 13E of the Customs (Prohibited Exports) Regulations: <b>DTCC Ref: 62031 - 06/1004907</b> (assessment dated 18/07/2006)	
<b>UN number</b>	None allocated.
<b>Transport hazard class(es)</b>	None allocated.
<b>Subsidiary risk</b>	None allocated.
<b>Packaging group</b>	None allocated.
<b>Environmental hazards</b>	Not available.



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<b>Special precautions during transport</b>	There are no specific restrictions or particular requirements for the transport of the constituents of LeachAid.
<b>Hazchem code</b>	None allocated.

**SECTION 15 – REGULATORY INFORMATION**

<b>AICS name</b>	Not available.
<b>Poisons Schedule number</b>	Not available.

**SECTION 16 – OTHER INFORMATION**

**HS Code Classification Information**

The appropriate Harmonized System (HS) tariff code classification used for importing **LeachAid UL™** into most countries of the world is found in:

**CATEGORY/SECTION VI - PRODUCTS OF THE CHEMICAL AND ALLIED INDUSTRIES**

**Chapter 38. "Miscellaneous Chemical Products"**

**Heading 3815: REACTION INITIATORS, REACTION ACCELERATORS AND CATALYTIC PREPARATIONS NOT ELSEWHERE SPECIFIED OR INCLUDED.**

Countries of the world in which **LeachAid UL™** is classified under this tariff heading include:

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• Australia</li> <li>• Canada</li> <li>• Ghana</li> <li>• Mali</li> <li>• Mongolia</li> <li>• Malaysia</li> </ul> | <ul style="list-style-type: none"> <li>• Papua New Guinea</li> <li>• Philippines</li> <li>• Russia</li> <li>• South Africa</li> <li>• Tanzania</li> <li>• Zimbabwe</li> </ul> |
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There are small variations in the full tariff code number assigned to **LeachAid UL™** in different countries as shown by the following examples:

Country	Tariff Ref. Number	Description
Australia	3815.90.00	Reaction initiators, reaction accelerators and catalytic preparations, not elsewhere specified or included: -other
Canada	3815.90.90 00	Reaction initiators, reaction accelerators and catalytic preparations, not elsewhere specified or included. -Other ---Other
New Zealand	3815.90.09	Reaction initiators, reaction accelerators and catalytic preparations, not elsewhere specified or included: - Other – Compound Catalysts
Philippines	3815.90.00	Reaction initiators, reaction accelerators and catalytic preparations, not elsewhere specified or included.
Russia	Commodity Classification of the Foreign Economic Activity (CC FEA) Code: 3815 90 900 0	Reaction initiators, reaction accelerators and catalytic preparations, not elsewhere specified or included: - other: -- other
USA	3815.90.50	Reaction initiators, reaction accelerators and catalytic preparations, not elsewhere specified or included: Other: Other
Zimbabwe	3815.90.00	Reaction initiators, reaction accelerators and catalytic preparations, not elsewhere specified or included: -other

<b>SDS creations date</b>	7 October 1998
<b>Most recent revision date</b>	01 February 2018
<b>Revision number</b>	024 <b>THIS ISSUE NUMBER REPLACES ALL ISSUES</b>
<b>Reason for revision</b>	Annual Update
<b>Contact person</b>	Consep Pty Ltd +61 2-9756-5299

*Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.*

**END OF SDS**