



MATERIAL DATA SAFETY SHEET

LeachAid™ UL

SECTION 1 - CHEMICAL AND PRODUCT AND COMPANY INFORMATION

Product Identifier **LeachAid UL**
Product Use Mineral Processing Aid
Supplier Name..... **LogiChem Pty Ltd**
PO Box 878 KALGOORLIE WA 6433, AUSTRALIA
13 Brinsden Rd, West Kalgoorlie, Australia
Prepared By..... LogiChem Pty Ltd
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SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS

Substance Name	Proportion
Proprietary Blend of Non-hazardous Organic & Inorganic Sodium Salts	>95%
Water	<3%

SECTION 3 - HAZARD INFORMATION

Some of the ingredients in LeachAid are potential irritants. May cause eye irritation. May cause sensitization by skin contact.

ACUTE HEALTH EFFECTS

Ingestion May cause digestive tract disturbances. Expected to be a low ingestion hazard.
Eye May cause eye irritation.
Skin..... May cause skin irritation.
Inhalation Dust may cause irritation to the respiratory system.

CHRONIC HEALTH EFFECTS

Skin..... Prolonged exposure may cause skin irritation, dermatitis and skin sensitization.
Inhalation Prolonged exposure to dust may cause anemia 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.

GENERAL ASSESSMENT OF HAZARDS

- LeachAid represents a low hazard in the work place. It is relatively inert and unreactive. It will only burn at temperatures above 300°C.
- It is used in small (kilogram) quantities and is usually supplied in containers which are easy to handle.
- In application it is added directly into solution which minimizes dust hazards.



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SECTION 4 – FIRST AID MEASURES

FIRST AID

- Ingestion** If swallowed, immediately rinse out mouth and then drink plenty of water. Try to induce vomiting. Seek medical attention as a precaution.
- Eye**..... If eye contact occurs, rinse thoroughly under running water for at least 15 minutes with eyelids held open. Seek medical attention.
- Skin**..... If skin contact occurs, wash off under running water while removing contaminated clothing. If irritation develops or persists seek medical attention. Wash clothing before reuse.
- Inhalation** 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.

FIRST AID FACILITIES

Ensure an eye bath and safety shower available and ready for use.

ADVICE TO DOCTOR

For methemoglobinemia, administer oxygen alone or with Methylene blue depending on the methemoglobinemia concentration in the blood.

SECTION 5 - FIRE/EXPLOSION HAZARD

- Extinguishing Media** Use water spray, dry chemical, carbon dioxide, or chemical foam.
- Hazardous Reaction** Over 350°C the material will burn and support combustion.
- Information for fire-fighters** Hazardous decomposition products include oxides of nitrogen, oxides of sulfur, and carbon monoxide. As in dealing with any fire involving chemicals, wear a self contained breathing apparatus and full protective gear.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- Personal Protection** Use proper personal protective equipment as indicated in section 8
- Spills / Leaks** Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.
- Disposal** Refer to section 13.

SECTION 7 - SAFE HANDLING & STORAGE INFORMATION

- Handling** Use only in a well-ventilated area. Minimize dust generation and accumulation. Use personal protective equipment (refer section 8) to avoid breathing dust or mist and to avoid contact with eyes and skin. Close containers immediately after using.
- Storage** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.



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SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls 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.

Exposure Limits No exposure limits have been determined for this material.

PERSONAL PROTECTIVE EQUIPMENT

Eyes Wear protective goggles to keep dust from Eyes.

Skin Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Wear an air purifying dust and mist mask.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Slightly yellow granules (prill)	pH:	Approx 8
Odour:	Faint caramel smell		
Flash Point (C) PMCC:	Well above 100°C	Vapour Pressure (hPa @ 20C):	N/D
Boiling Point (C):	N/A	Relative Vapour Density*2:	N/A
Water Solubility:	Soluble	Lower Explosive Limit (%):	N/A
Specific Gravity*1:	~1.0	Upper Explosive Limit (%):	N/A
Legend: *1 (Water)=1, *2 (Air)=1, N/D=Not Determined, N/A=Not Applicable			

SECTION 10 – STABILITY & REACTIVITY

Chemical Stability Stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to avoid incompatible materials, exposure to moist air or water, generating dust.

Incompatibilities with other materials . Incompatible with strong oxidizers and with the following metals: brass, copper, nickel, cadmium.

Hazardous Decomposition

Products Nitrogen oxides, carbon monoxide, oxides of sulfur, carbon dioxide are products of combustion. Refer section 5.

Hazardous

Polymerization Has not been reported.

SECTION 11 – TOXICOLOGICAL INFORMATION

All of the chemicals contained in LeachAid are classified as moderately toxic. None is listed as a potential carcinogen.



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SECTION 12 – ECOLOGICAL INFORMATION

The principal ingredients of LeachAid are all biodegradable and no bioaccumulation is expected in soil or water.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL

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.

SECTION 14 – TRANSPORT INFORMATION

There are no specific restrictions or particular requirements for the transport of the constituents of LeachAid.

Material Details

UN Number:	None Allocated	Hazchem Code:	None Allocated
Dangerous Goods Class:	None Allocated	Emergency Procedure Guide:	None Allocated
Subclass:	None Allocated	Poison Schedule:	None Allocated
Packaging Group:	None Allocated		

TRANSPORT INFORMATION

Transport by Road	Not regulated (ADG Code)
Transport by Sea	Not regulated (IMDG Code)
Transport by Rail	Not regulated (ADG Code, RID, Council Directive 96/49 EC)
Transport by Air	Not regulated (IATA-DGR Code)

EXPORTS FROM AUSTRALIA

These goods are not subject to Australian export controls under regulation 13E of the Customs (Prohibited Exports) regulations – **DTCC Ref: 62031 06/1004907**

SECTION 15 - OTHER INFORMATION

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.