



# Mineral Process Control (MPC) Pty Ltd

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## MATERIAL SAFETY DATA SHEET

### Product: LeachWELL GC

#### SECTION 1 - IDENTIFICATION

<b>Product Name:</b>	<b>LeachWELL GC</b>
<b>Other Names:</b>	<b>LeachWELL</b>
<b>Recommended Use:</b>	Cyanide leach accelerating agent. To speed up cyanide soluble gold assays
<b>Supplier:</b>	Mineral Process Control Pty Ltd ABN 42 009 416 193
<b>Address:</b>	18 Casella Place KEWDALE WA 6105
<b>Telephone Number:</b>	(08) 9353 1513
<b>Emergency Telephone Number:</b>	(08) 9353 1513

#### SECTION 2 – HAZARDS IDENTIFICATION

<b>Hazards classification:</b>	<b>Toxic</b> hazardous substance – non dangerous goods.
<b>Risk Phrases:</b>	<b>R20</b> Harmful by Inhalation, <b>R22</b> Harmful if swallowed, <b>R33</b> Danger of cumulative effects <b>R36</b> Irritating to eyes, <b>R43</b> May cause sensitization by skin contact, <b>R61</b> May cause harm to unborn child,
<b>Safety Phrases:</b>	<b>S2:</b> Keep out of reach of children, <b>S24</b> also avoid contact with skin, <b>S26</b> also in case of contact with eyes, rinse immediately with plenty of water and seek medical advice, <b>S37</b> also wear suitable gloves, <b>S45</b> also in case of accident or if you feel unwell, seek medical advice immediately (show label whenever possible), <b>S53</b> also avoid exposure – obtain special instructions before use, <b>S60</b> also this material and its container must be disposed of as hazardous waste, <b>S61 also</b> avoid release to the environment. Refer special instructions/safety data sheet.
<b>ADG:</b>	Not classified as dangerous goods.

### SECTION 3 – COMPOSITION

#### Ingredients

Chemical Entity	CAS number	Proportion
Mixture of Mild Organic Oxidants	Not Applicable	~98%
Lead Nitrate (PbNO3)	10099-74-8	~2%

### SECTION 4 – FIRST AID MEASURES

Swallowed:	If swallowed contact a doctor or Poisons Information Centre (Phone Australia : 13 11 26). DO NOT GIVE ANYTHING BUT WATER
Skin:	Remove contaminated clothing. Wash contaminated skin with plenty of soap and water.
Eyes:	Hold eyes open and flood with large quantities of water for at least 15 minutes and seek medical assistance.
Inhaled:	Remove victim to fresh air, if not breathing, give artificial respiration. If breathing is difficult give oxygen.

#### **Advice to Doctor:**

None specific

### SECTION 5 – FIRE FIGHTING MEASURES

#### **Fire/Explosion Hazards**

At temperatures above 300C the product may burn and support combustion releasing oxides of sulphur, carbon and nitrogen. As in any fire, wear a self contained breathing apparatus in pressure-demand and full protective gear.

#### **Extinguishing Media**

Use water, fog, foam, dry chemical to suppress fire and use absorbing material to soak up spilt product.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

#### **Spills and Disposal**

Sweep or vacuum up spilt material and place in to drums. The material can generally be re-used after recovery. Do not allow to enter dams, drains or sewers.

#### **Disposal**

If disposal is required consider local, state and federal regulations. The product can always be used, Contact MPC for advice or suggestions.

### SECTION 7 - HANDLING AND STORAGE

#### **Handling**

Avoid breathing dust. Avoid contact with skin and eyes.

#### **Storage and Transport**

This product is a not a scheduled Poison. Store in tightly closed original container in a dry, cool, well-ventilated area, out of direct sunlight.

## SECTION 8 – EXPOSURE CONTROLS

### Engineering Control

Facilities using or storing this material should have appropriate dust extraction/collection systems and be equipped with an eyewash facility and safety shower.

### Personal Protective Measures

Avoid contact with eyes and skin. When preparing for use wear elbow length PVC gloves, a face shield or goggles, and an approved dust or mist respirator. On completion of handling of product and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Form:</b>	Solid, small prills
<b>Colour:</b>	Pale Bluish
<b>Odour:</b>	None
<b>Melting Point (°C):</b>	350C
<b>Boiling Point (°C):</b>	Not available
<b>Specific gravity:</b>	Not available
<b>Bulk density:</b>	~0.68
<b>Vapour Pressure:</b>	Not available
<b>Flashpoint:</b>	>100C
<b>Solubility in Water (g/L):</b>	200 g/L water
<b>pH:</b>	6 – 10 1% Aqueous Solution

## SECTION 10 – STABILITY AND REACTIVITY

### Chemical Stability:

Not available.

### Conditions to Avoid:

Incompatible materials, exposure to moist air or water (except during normal use).

### Incompatibilities with Other Materials:

Strong oxidizing agents, brass, copper, nickel.

### Hazardous Decomposition Products:

Nitrogen oxides, carbon monoxide, oxides of sulfur, carbon dioxide.

### Hazardous Polymerization:

Has not been reported.

## SECTION 11 – TOXICOLOGY INFORMATION

### LD50/LC50:

Draize test, rabbit, eye 20mg/24hr Moderate;  
Draize test, rabbit, skin: 500mg/24hr Mild;  
Oral, Rat: LD50 = 11g/kg.

### Carcinogenicity:

Not listed by ACGIH, IARC, NIOSH, NTP or OSHA.

## SECTION 12 – ECOLOGICAL INFORMATION

**Ecotoxicity Data:** No data available  
**Environmental Fate:** No data available.

## SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state and local regulations

## SECTION 14 – TRANSPORT INFORMATION

**UN Number:** None allocated  
**ADG:** Not classified as dangerous goods for transport.

## SECTION 15 – REGULATORY INFORMATION

**Hazards classification:** **TOXIC** Hazardous substance – non dangerous goods.

**Risk Phrases:**  
**R20** Harmful by Inhalation,  
**R22** Harmful if swallowed,  
**R33** Danger of cumulative effects  
**R36** Irritating to eyes,  
**R43** May cause sensitization by skin contact,  
**R61** May cause harm to unborn child,

**Safety Phrases:**  
**S2** Keep out of reach of children,  
**S24** also avoid contact with skin,  
**S26** also in case of contact with eyes, rinse immediately with plenty of water and seek medical advice,  
**S37** also wear suitable gloves,  
**S45** also in case of accident or if you feel unwell, seek medical advice immediately (show label whenever possible),  
**S53** also avoid exposure – obtain special instructions before use,  
**S60** also this material and its container must be disposed of as hazardous waste,  
**S61** also avoid release to the environment. Refer special instructions/safety data sheet.

## SECTION 16 – OTHER INFORMATION

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this MSDS in the context of how the product will be handled, used and stored in the workplace. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact us so that we can attempt to obtain any additional information from our suppliers.

The information herein is given in good faith but no warranty, express or implied is made. The onus is on the user to take appropriate precautions for the safe handling, storage and transport of this product.

Please read all labels carefully before using product.

Last updated August 2010.