



Mineral Process Control (MPC) Pty Ltd

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MATERIAL SAFETY DATA SHEET

Product: LeachWELL 60X

SECTION 1 - IDENTIFICATION

Product Name:	LeachWELL 60X
Other Names:	LeachWELL
Recommended Use:	Cyanide leach accelerating agent. To speed up cyanide soluble gold assays
Supplier:	Mineral Process Control Pty Ltd ABN 42 009 416 193
Address:	Unit 3, 30 Furniss Rd LANDSDALE WA 6065
Telephone Number:	(08) 9303 2334
Emergency Telephone Number:	(08) 9303 2334

SECTION 2 – HAZARDS IDENTIFICATION

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.
ADG:	Not classified as dangerous goods.

SECTION 3 – COMPOSITION

Ingredients

Chemical Entity	CAS number	Proportion
Mixture of Mild Organic Oxidants	Not Applicable	~98%
Lead Nitrate (PbNO ₃)	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

Form:	Solid, small prills
Colour:	Pale Pink
Odour:	None
Melting Point (°C):	350C
Boiling Point (°C):	Not available
Specific gravity:	Not available
Bulk density:	~0.68
Vapour Pressure:	Not available
Flashpoint:	>100C
Solubility in Water (g/L):	200 g/L water
pH:	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.

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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 January 2012.