



**DALIC**  
AUSTRALASIA  
Pty Limited

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**DALIC® Electroplaters**  
ABN 33 085 605 590

## MATERIAL SAFETY DATA SHEET

**COMMERCIAL NAME: DALIC GOLD SOLUTION (25g/l) DPM 9005**

				OES (mg/m <sup>3</sup> )	
IDENTITY	% W/W	CLASSIFICATION	CAS. NO.	LONG TERM	SHORT TERM
Complexed Gold Cyanide	3-5	T;r23/24/25,32	13967-50-5	5 (As CN-)	--

### HAZARD IDENTIFICATION

Toxic by inhalation, in contact with skin and if swallowed. Contact with acids or acidic solutions liberates very toxic hydrogen cyanide gas.

### TOXICITY DATA

In cases of ingestion and inhalation acute effects may develop rapidly and can include weakness, nausea, vomiting and in more severe cases, marked breathlessness, sudden unconsciousness and untimely death. Similar symptoms may develop as the material is absorbed into the blood stream through skin tissue.

### FIRST AID

- INHALATION** Break an amyl nitrate capsule into a handkerchief and hold lightly under nose for 15 seconds. Repeat until capsule exhausted. A second capsule may be used. If unconscious, give artificial respiration. (Care must be taken not to inhale victims exhaled breath) Obtain medical attention **urgently**.
- SKIN CONTACT** Remove contaminated clothing and wash off all affected areas of skin with water for at least 10 minutes. In severe cases obtain medical attention. If breathing difficulties occur, treat as for inhalation.
- EYE CONTACT** Rinse immediately with plenty of water and seek medical advice.
- INGESTION** Treat as per inhalation.

### FIRE AND EXPLOSION MEASURES

- SUITABLE EXTINGUISHING MEDIA** N/A
- UNSUITABLE EXTINGUISHING MEDIA** N/A
- POSSIBLE EXPOSURE HAZARDS** May evolve toxic fumes in fire.
- PROTECTIVE EQUIPMENT FOR FIREFIGHTERS** Self-contained breathing apparatus.

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## SPILL OR LEAKAGE PROCEDURES

Soak up with absorbent material (sand etc.) Store for salvage reclaim when sufficient waste has accumulated.

## HANDLING AND STORAGE

Keep away from food or food containers. Do not freeze. Ensure that all containers are clearly and appropriately labelled.

## EXPOSURE CONTROL/ PERSONAL PROTECTION

Wear safety glasses and dust mask, or face shield, rubber gloves and suitable protective clothing. Use in well ventilated area with local exhaust ventilation. In case of insufficient ventilation wear suitable respiratory equipment. Do not eat, drink or smoke in area where this product is being used. Wash hands thoroughly before undertaking any of these activities.

## PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: **CLEAR PALE YELLOW LIQUID**

Boiling Point: 100 C	Freezing Point: 0 C	Specific Gravity: 1.02
Flash Point: N/A	PH: 10.5	Solubility in Water: Infinite

## STABILITY AND REACTIVITY

STABILITY Stable at ambient temperature.

MATERIALS TO AVOID Acids and acidic solutions.

HAZARDOUS DECOMPOSITION PRODUCTS May evolve toxic fumes in fire.

## ECOLOGICAL INFORMATION

## DISPOSAL CONSIDERATIONS

Accumulate in clearly labelled containers for salvage /reclaim. Otherwise dispose of to Local Authority Regulations or via a licensed disposal operator.

## TRANSPORT INFORMATION

UN NO.: 1935 CLASS: 6.1 PACKING GROUP: II I.M.D.G.:

ADR/RID: ICAO/IATA: 617 (5 litres) and 612 (60 litres)

## REGULATORY INFORMATION

LABEL: TOXIC

CLASSIFICATION: TOXIC

## COMMERCIAL NAME: DALIC GOLD SOLUTION (25g/l) DPM 9005 (CONTD)

### RISK PHRASES

Toxic by inhalation, in contact with skin, and if swallowed. Contact with acids liberates very toxic gas.

### SAFETY PHRASES

Keep locked up and out of reach of children. In case of contact with eyes, rinse immediately with plenty of water. In case of accident or if you feel unwell, seek medical advice immediately (show label where possible.)  
Wear suitable protective clothing, gloves and eye/ face protection.

### CHEMICALS TO BE NAMED:

CONTAINS: Complexed Gold cyanide

### OTHER INFORMATION

Store away from light and heat. Do not freeze.

EVERY ENDEAVOUR HAS BEEN MADE TO ENSURE THAT THE INFORMATION CONTAINED IN THIS DATA SHEET IS RELIABLE. HOWEVER WE CANNOT ACCEPT LIABILITY FOR ANY LOSS, INJURY OR DAMAGE WHICH MAY RESULT FROM ITS USE.

THE INFORMATION CONTAINED IN THIS DATA SHEET SHOULD BE USED FOR THE PURPOSE OF HEALTH AND SAFETY ONLY. ITS CONTENTS SHOULD NOT BE DISCLOSED TO ANY THIRD PARTY WITHOUT THE WRITTEN CONSENT OF **Dalic Australasia Pty Ltd.**

Date of completion 16.09.2001

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*Ian L Mackenzie .*

Authorised by: Ian L Mackenzie Signed