



Issue: 5
Date: 01.12.00
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MATERIAL SAFETY DATA SHEET

COMMERCIAL NAME: DALIC COPPER ALKALINE PLATING SOLUTION DPS 6170

IDENTITY	% w/w	CLASSIFICATION	CAS. No.	OES (mg/m ³)	
				LONG TERM	SHORT TERM
Copper EDA Complex	20-30	Xn; R22 Xi; R36/38 Sensitising Xi; R43	--	1 (As cu)	2 (As cu)
1,2 Diaminoethane	2-9	Sensitising Xi; R43	107-15-3	--	--

HAZARD IDENTIFICATION

Harmful if swallowed. Irritating to skin and eyes. Particular risk of damage to eyes. May cause sensitisation by skin contact. Long term exposure to 1,2, Diaminoethane may give rise to occupational asthma. It can also cause irritant and/or allergic dermatitis.

TOXICITY DATA

With respect to 1,2, Diaminoethane, the HSE can no longer identify a level which is both safe and practically achievable. The OES has, therefore, been withdrawn. Employers should determine their own working practices and endorse standards for control so that repeated exposure does not cause ill health. An MSL was also considered inappropriate given that few people are exposed to the concentrated substance and levels of exposure are negligible.

FIRST AID

INHALATION Remove to fresh air and a quiet environment. In severe cases seek medical advice.
SKIN CONTACT Remove contaminated clothing and wash all affected areas of skin with water for at least 10 minutes. In severe cases obtain medical attention.
EYE CONTACT Rinse immediately with plenty of water and seek medical advice.
INGESTION Rinse mouth liberally with water. Drink plenty of water. Obtain medical attention urgently.

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FIRE & EXPLOSION MEASURES

SUITABLE EXTINGUISHING MEDIA	Not applicable.
UNSUITABLE EXTINGUISHING MEDIA	Not applicable.
POSSIBLE EXPOSURE HAZARDS	May evolve toxic fumes in fire.
PROTECTIVE EQUIPMENT FOR FIREFIGHTERS	Self-contained breathing apparatus.

SPILL OR LEAKAGE PROCEDURES

Soak up with absorbent material (sand etc.) And dispose of to Local Authority Regulations or via a licensed disposal contractor.

HANDLING AND STORAGE

Do not freeze. Store at ambient temperature away from direct sunlight and heat, in tightly closed containers. Ensure that all containers are clearly and appropriately labelled.

EXPOSURE CONTROL/PERSONAL PROTECTION

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

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: **CLEAR MAUVE LIQUID**

Boiling Point: 100° C	Freezing Point: 0° C	Specific Gravity: 1.13
Flash Point: N/A	Ph: 11.5	Solubility In Water: Infinite

STABILITY AND REACTIVITY

STABILITY	Stable at ambient temperature.
MATERIALS TO AVOID	Not applicable.
HAZARDOUS DECOMPOSITION PRODUCTS	May evolve toxic fumes in fire.

ECOLOGICAL INFORMATION

DISPOSAL CONSIDERATIONS

To Local Authority Regulations or via a licensed disposal operator.

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DPS 6170 (CONTD)**

TRANSPORT INFORMATION

UN NO.: 1761 CLASS: 8 PACKING GROUP: II I.M.D.G:
ADR/RID: ICAO/IATA: 808 (1 litre) and 812 (30 litres) SUB.RISK 6.1

REGULATORY INFORMATION

LABEL HARMFUL(X)
CLASSIFICATION HARMFUL

RISK PHRASES

Harmful if swallowed. Irritating to eyes and skin. May cause sensitisation by skin contact.

SAFETY PHRASES

Do not breathe mist or spray. In case of contact with eye, rinse immediately with plenty of water and seek medical advice. Wear suitable clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

CHEMICALS TO BE NAMED:

CONTAINS Copper EDA Complex

OTHER INFORMATION:

Store away from sunlight and heat. Do not freeze.

EVERY ENDEAVOR HAS BEEN MADE TO ENSURE THAT THE INFORMATION CONTAINED IN THIS DATA SHEET IS RELABLE. 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 01.12.2000

Revised date 01.03.2005

Jan L Mackenzie .

Authorised by: Ian L Mackenzie Signed