



DALIC
AUSTRALASIA
Pty Limited

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DALIC® Electroplaters
ABN 33 085 605 590

MATERIAL SAFETY DATA SHEET

COMMERCIAL NAME: DALIC NICKEL ALKALINE 3X SOLUTION DPS 6303

IDENTITY	% w/w	CLASSIFICATION	CAS NO.	OES (mg/m ³)	
				LONG TERM	SHORT TERM
Nickel ammonia complex	10-15	CARC; CCAT3:R40	--	0.1	--
Nickel Ammonia complex	10-15	Xn: R42/43	--	(As Ni)	--
Ammonia	2-4	--	7664-41-7	17	24

HAZARD IDENTIFICATION

Mist and fumes may cause irritation of the upper respiratory tract. Sensitisation through inhalation or skin contact may also occur. A possible carcinogen.

TOXICITY DATA

Exposure to Nickel compounds has produced cases of allergic skin reactions ("Nickel Itch"). People with a history of eczema or Nickel dermatitis must not be exposed to Nickel compounds.

FIRST AID

- INHALATION** Remove to fresh air and a quiet environment. If there is respiratory distress give oxygen until medical attention can be given.
- SKIN CONTACT** Remove contaminated clothing and wash all affected areas of skin with water for at least 10 minutes. In sever cases obtain medical attention.
- EYE CONTACT** Rinse immediately with plenty of water and seek medical advice.
- INGESTION** Rinse moth liberally with water. Drink plenty of water. Obtain medical attention **urgently**.

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FIRE & 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.

SPILL OR LEAKAGE PROCEDURES

Soak up with absorbent material (sand etc.) And dispose of in accordance with 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 sealed and appropriately labelled.

EXPOSURE CONTROL/PERSONAL PROTECTION

Wear safety glasses or face shield, rubber 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 area where product is used.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: **CLEAR BLUE/GREEN LIQUID**

Boiling Point: 100 °C	Freezing Point: 0 °C	Specific Gravity: 1.17
Flash Point: N/A	Ph: 7.5	Solubility in Water: Infinite

SOLUBILITY AND RE-ACTIVITY

STABILITY	Stable at ambient temperatures.
MATERIALS TO AVOID	N/A
HAZARDOUS DECOMPOSITION PRODUCTS	May evolve toxic fumes in fire.

ECOLOGICAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS

To Local Authority Regulations or via a licensed disposal operator.

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TRANSPORT INFORMATION

UN NO. : 1760 CLASS: 8 PACKING GROUP: III I.M.D.G.:

ADR/RID: ICAO/IATA: 818 (5litres) AND 820 (60 litres)

REGULATORY INFORMATION

LABEL Harmful

CLASSIFICATION Harmful

RISK PHRASES

Possible risk of irreversible effects. May cause sensitisation by inhalation or skin contact.

CHEMICALS TO BE NAMED

CONTAINS: Nickel Ammonia Complex

OTHER INFORMATION

Store away from light and heat. Do not freeze.

EVERY ENDEAVOR 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 01.12.2000

Revised date 01.03.2005

Ian L Mackenzie .

Authorised by: Ian L Mackenzie Signed