



MATERIAL SAFETY DATA SHEET

COMMERCIAL NAME: DALIC NICKEL COBALT SPECIAL DAS 7410

IDENTITY	% W/W	CLASSIFICATION	CAS. NO.	OES (mg/m ³)	
				LONG TERM	SHORT TERM
Nickel Sulphate	5-10	Carc. Cat3; R40 Sensitising Xn; R42/43	7786-81-4	0.1 (As Nickel)	--
Cobalt Sulphate	5-10	Xi; R36	--	0.1 (As Cobalt)	--
Acetic acid	1-9	--	64-19-7	25	37

HAZARD IDENTIFICATION

Mists and fumes may cause irritation of the upper respiratory tract. Irritating to eyes. May cause sensitisation by inhalation or skin contact. Should be treated as a suspected 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 quiet environment. If there is respiratory distress give oxygen until medical attention can be given.

SKIN CONTACT

Remove contaminated clothing and wash all of the 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**

OTHER

COMMERCIAL NAME: DALIC NICKEL COBALT SPECIAL DAS 7410 (CONTD)

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/mist 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 area when product is used. Wash hands thoroughly before undertaking any of these activities.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: **CLEAR DARK PURPLE/BROWN LIQUID**

Boiling Point: 100 °C	Freezing Point: 0 °C	Specific Gravity: 1.22
Flash Point: N/A	Ph: 2.6	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.

COMMERCIAL NAME: DALIC NICKEL COBALT SPECIAL DAS 7410 (CONTD)

TRANSPORT INFORMATION

UN NO.: 1760 CLASS: 8 PACKING GROUP: III I.M.D.G.:
ADR/RID: ICAO/IATA: 818 (5 litres) and 820 (60 litres)

REGULATORY INFORMATION

LABEL X
CLASSIFICATION HARMFUL

RISK PHRASES

Possible risk of irreversible effects. May cause sensitisation by inhalation and skin contact. Irritating to eyes. Store away from direct sunlight and heat. Do not freeze.

SAFETY PHRASES

When using do not breathe mist or spray. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective 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: Nickel Sulphate

OTHER INFORMATION

Store away from direct sunlight 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