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MATERIAL SAFETY DATA SHEET

COMMERCIAL NAME: DALIC TIN PLATING SOLUTION DPS 6600

| IDENTITY | % W/W | CLASSIFICATION | CAS. NO | OES (mg/ m ³) | |
|-----------------|-------|-----------------------------------|----------|----------------------------|--------------|
| | | | | LONG TERM | SHORT TERM |
| Tin EDA Complex | 20-24 | Xi; R36/38 Sensitising Xi; R43 | -- -- | 2 (As Sn) | 4 (As Sn) |

HAZARD INFORMATION

Irritating to eyes & skin, particular risk of damage to eyes. May cause sensitisation by skin contact. Organic Tin compounds can be absorbed through the skin. 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 The OES has, therefore, been withdrawn.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 MEL 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 quiet environment. In severe cases seek medical advice.
SKIN CONTACT Remove contaminated clothing and wash all of 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 or milk. In severe cases seek medical advice.
OTHER

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COMMERCIAL NAME: DALIC TIN PLATING SOLUTION DPS 6600 (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 & STORAGE

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

EXPOSURE CONTROL / PERSONAL PROTECTION

Wear safety glasses & or a face shield, rubber gloves & eye protection and dust/mist mask or face shield, nitrile gloves and suitable protective clothing. Use in well ventilated area or with local exhaust ventilation. Do not eat, drink or smoke where product is used. Wash hands thoroughly before undertaking any of these activities.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: **CLEAR AMBER LIQUID**

| | | |
|------------------------|-----------------------|--------------------------------|
| Boiling Point : 100 °C | Freezing Point : 0 °C | Specific Gravity : 1.17 |
| Flash Point: N / A | PH : 7.8 | 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 Contractor.

COMMERCIAL NAME: DALIC TIN PLATING SOLUTION DPS 6600 (CONTD)

TRANSPORT INFORMATION

UN NO: 2788 CLASS: 6.1 PACKAGING GROUP: III I.M.D.G.:

ADR / RID: ICAO / IATA: 611 (60 litres) AND 618 (220 litres)

REGULATORY INFORMATION

LABEL IRRITANT
CLASSIFICATION IRRITANT

RISK PHASES

Irritating to eyes and skin. May cause sensitisation by skin contact .Store away from direct sunlight and heat. Do not freeze.

SAFETY PHASES

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

CHEMICALS TO BE NAMED

CONTAINS: Tin EDA Complex

OTHER INFORMATION

Store away from direct sunlight and heat . Do not freeze

EVERY ENDEAVOUR HAS BEEN MADE TO ENSURE 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 PURPOSES 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