

MATERIAL SAFETY DATA

MEGA ELECTRONICS LTD

ROLLER TINNING COVER SALTS

Mega Part Number : 14-15051

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1. **MANUFACTURER/:** LEKTRACHEM LTD, UNIT 9 LIBERTY WAY
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SUPPLIER: MEGA ELECTRONICS LIMITED.,
MEGA HOUSE
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TEL: 01223 893900 FAX: 01223 893894
2. **HAZARDOUS INGREDIENTS:**

Zinc Chloride, Ammonium Chloride
Zinc Ammonium Chloride Double Salts
3. **HAZARDS**

Corrosive to skin and eyes on prolonged contact. Harmful if swallowed. Toxic to aquatic organisms.
4. **FIRST AID MEASURES**

Inhalation
Symptoms: Prolonged exposure-causing irritation.
Treatment: Remove from exposure to fresh air. If irritation persists, seek medical advice.

Eye Contact
Symptoms: Severe eye irritation.
Treatment: Irrigate thoroughly with water. Obtain medical attention.

Skin Contact
Symptoms: Severe irritation leading to dermatitis.
Treatment: Wash thoroughly with water for at least 15 minutes. If irritation persists seek medical attention.

Ingestion
Symptoms: vomiting and nausea.
Treatment: Wash out mouth with water. Give water to drink and seek medical attention.
5. **FIRE FIGHTING MEASURES**
 - a) **Suitable Fire Extinguishers:** Water, dry powder, carbon dioxide, foam.
 - b) **Extinguishers Not to be Used:** None in particular.
 - c) **Exposure hazards/combustion products in a fire:**
 - d) **Special Protective Equipment for Fire Fighters:** Self contained breathing apparatus.
6. **ACCIDENTAL RELEASE MEASURES**

- a) **Safety Precautions:** Wear suitable gloves and eye/face protection.
- b) **Environmental Precautions:** Do not allow material to contaminate drains or water courses. If material has entered these inform local Water Authority.
- c) **Spillage Clean Up Procedure:** Soak up with inert absorbent material. Shovel into suitable container for disposal.
- d) **Disposal Considerations:**

7. **HANDLING & STORAGE**

- a) **Handling:**
- b) **Storage:** Store in polyethylene containers. Do not use unlined steel.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

- a) **Engineering Measures**
- b) **Personal Protective Equipment**

Respiratory Protection:

Hand Protection:

Rubber or plastic gloves.

Eye Protection:

Safety glasses.

Skin Protection:

Overalls and boots.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

ODOUR: None.
pH: 5 (10%)
BOILING POINT: >200 °C
MELTING POINT:
FLASH POINT:
FLAMMABILITY:
EXPLOSIVE LIMITS:
RELATIVE DENSITY:
SOLUBILITY IN WATER: >50% w/w

10. **STABILITY AND REACTIVITY**

- a) **Stability**
Stable under normal conditions. Avoid excessive heating.
- b) **Hazardous Reactions**
Concentrated sulphuric acid liberates Hydrogen Chloride gas. Hot caustic soda liberates ammonia vapours.
- c) **Hazardous Decomposition Products**
Zinc chloride fumes/ammonium chloride fumes.

11. **TOXOLOGICAL INFORMATION**

Acute Toxicity

LD50/oral/rat = 350m/kg. Harmful if swallowed.

TCLo, inhalation, human = 4800m³/3H Causes pulmonary changes.

Eye irritation: severe.

Skin irritation: severe.

Carcinogenicity: Questionable carcinogen with experimental tumorigenic effects.

Mutagenicity: Human mutation data reported. Mutation Cytogenic analysis.

Human/Lymphocytes - 300 micromol/L.

12. **ECOLOGICAL INFORMATION**

13. **DISPOSAL**

14. **TRANSPORT INFORMATION**

UN No:	1759
Class:	8
Primary Hazard:	CORROSIVE
Packaging Group:	III
H.I. Number:	80
Emergency Action Code:	2X

15. **REGULATIONS**

Label Name:	LC13 Roller Tinning Salts
Symbol:	CORROSIVE
Contains:	Zinc Ammonium Chloride Salts
Risk Phrases:	R34
Safety Phrases:	S26

16. **OTHER INFORMATION**

This material is usually used in Printed Circuit Board manufacture.

LEGAL DISCLAIMER

The above information is based on our present state of knowledge at the time of publication. It is given in good faith, no warranty is implied with respect to the qualification of the product. The user must satisfy himself that the product is entirely suitable for his purpose

