

Ferro Finishing Pty. Ltd.
29 Skinner Ave., Riverwood, N.S.W. 2210.
Telephone: (02) 9534 1155

MATERIAL SAFETY DATA SHEET

THIS PRODUCT IS CLASSIFIED **HARMFUL** BY CRITERIA OF WORKSAFE AUSTRALIA

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IDENTIFICATION

PRODUCT NAME: **TINALL**

OTHER NAMES: SOLDER PAINT

U.N. NUMBER: Not classified

DANGEROUS GOODS PRIMARY RISK CLASS: 8

CAS Number: 7646-85-7

POISONS SCHEDULE: S6

USE: The application of a solder coating to copper and its alloys.

PHYSICAL DESCRIPTION/PROPERTIES: Grey, heavy paste.

HAZARDOUS INGREDIENTS: 19% Zinc Chloride, 62% 40/60 Tin-Lead Solder Powder.

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

SWALLOWED: Considered to be harmful, causing nausea.

EYE: Contamination of eyes can result in permanent injury, especially the cornea.

SKIN: Contact with the skin may result in moderate to severe irritation. Corrosive to skin and may cause skin burns and ulcerations.

INHALED: Not normally an inhalation risk due to low vapour pressure at ambient temperatures. However, if heated, acid fumes are formed which are irritant to mucous membranes and respiratory tract. Inhalation of vapour can result in respiratory irritation, headaches, nausea, shortness of breath, pneumonia and lung damage.

If heated above 500 degrees C, the fumes will contain Lead, which is harmful if inhaled for regular periods.

FIRST AID:

SWALLOWED: If spontaneous vomiting does not occur give water or milk to drink and induce vomiting.

EYE: Immediately irrigate with copious amounts of water for at least 15 minutes. Eyelids to be held open. Remove all contaminated clothing and wash contaminated skin. Seek medical assistance immediately.

SKIN: Immediately wash away with plenty soap and water. Remove all contaminated clothing. If swelling, redness, blistering or irritation occurs seek medical advice.

INHALED: Remove from exposure - avoid becoming a casualty. Seek medical advice. Apply artificial respiration if breathing has stopped. If breathing laboured and patient cyanotic (blue) ensure airways are clear and give oxygen through a face mask.

ADVICE TO DOCTOR: Treat symptomatically.

Cont./.....

PRECAUTIONS FOR USE

EXPOSURE LIMITS: TLV 1mg/m³. LD50 (rat oral) 350mg ZnCl₂/kg.

VENTILATION: Required.

PERSONAL PROTECTION: Use chemical goggles and a respirator protecting against acidic gasses during soldering operations.

FLAMMABILITY: Non Flammable.

SAFE HANDLING INFORMATION

The product contains a scheduled poison (S6) and must therefore be stored, maintained and used in accordance with the relevant state poisons act. This product is a class 8 dangerous substance for the purpose of transport. Refer to state regulations for storage and transport requirements.

SPILLS AND DISPOSAL: Clean up small spillage's with sponge and water. Large spillage's scoop into a clean plastic container and return to supplier.

FIRE/EXPLOSION HAZARD: Non combustible. However decomposes on heating emitting toxic fumes including hydrogen chloride.

CONTACT POINTS

ORGANISATION	LOCATION	TELEPHONE	ASK FOR
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Ferro Finishing P/L.	Riverwood NSW	(02) 9534 1155	Technical Officer
Poisons Information Centre		131126	
Fire Brigade		000	Fire Brigade
Police		000	Police

KEY TO ABBREVIATIONS

C.A.S. No: Chemical Abstracts Service Number
LD50: Lethal Dose Req'd. to Kill 50% of the Animals Tested
TLV: Threshold Limit Value

This MSDS should be made available to every person who has to work with this product.