



# A NEW FORCE IN CHEMICAL MANUFACTURING

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## SAFETY DATA SHEET

ISSUED SEPTEMBER 2014 (VALID 5 YEARS FROM DATE OF ISSUE)

### TC2 HIGH STRENGTH TIP THINNERS

#### SECTION 1 - IDENTIFICATION OF THE MATERIAL

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**PRODUCT NAME** High Strength Tip Thinners  
**PRODUCT TYPE** Tinning and cleaning aid for soldering irons  
**PART NUMBER** CT-TC-2  
**AVAILABLE SIZES** 20g

#### SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS #	%	TWA HSIS	STEL HSIS
Tin	7440-31-5	<60	2mg/m <sup>3</sup>	N/A
Ammonium phosphate	7783-28-0	<60		
Alcohol ethoxylate	68439-46-3	<10		
Non-hazardous ingredients	N/A	<10		

#### SECTION 3 - HAZARDS IDENTIFICATION

**Hazard Classification:** Not classified as a Hazardous Substance according to the criteria of SafeWork Australia.

**Risk Phrases:**

**Safety Phrases:** S2 – Keep out of reach of children

**Relevant routes of exposure:** Ingestion.

**Potential Health Effects**

**Inhalation:** The fumes produced during use will irritate the nose and throat.

**Skin contact:** Skin irritation may result from prolonged contact.

**Eye contact:** Fumes produced during use may irritate the eyes.

**Ingestion:** Will irritate the digestive tract.

#### SECTION 4 - FIRST AID MEASURES

<b>Inhalation:</b>	Remove the source of contamination or move the victim to fresh air. Ensure airways are clear. Administer oxygen if breathing is difficult. If symptoms develop and persist, seek medical attention
<b>Skin contact:</b>	Wash the affected area with plenty of cold or lukewarm running water. If symptoms develop and persist, seek medical attention.
<b>Eye contact:</b>	Flush immediately with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If symptoms develop and persist seek medical attention.
<b>Ingestion:</b>	Do NOT induce vomiting. Wash out mouth with water. If symptoms develop and persist, seek medical attention

#### SECTION 5 - FIRE FIGHTING MEASURES

<b>Flash point:</b>	>200°C (Closed Cup)
<b>Autoignition temperature:</b>	Non Flammable
<b>Flammable/Explosive limits-lower %:</b>	N/A
<b>Flammable/Explosive limits-upper %:</b>	N/A
<b>Extinguishing media:</b>	N/A
<b>Special fire fighting procedures:</b>	N/A
<b>Unusual fire or explosion hazards:</b>	None
<b>Hazardous combustion products:</b>	Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide, carbon dioxide, oxides of nitrogen, and organic substances
<b>Hazchem Code:</b>	N/A

#### SECTION 6 - ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions:</b>	Dispose of waste according to federal, Environmental Protection Authority and state regulations. If large spillages of this material enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.
<b>Clean-up methods:</b>	Use appropriate personal protective equipment during clean-up

#### SECTION 7 - HANDLING AND STORAGE

<b>Handling:</b>	No special handling procedures are required. Wash hands thoroughly after handling Store in a cool, dry well-ventilated area away from heat, oxidising agents and out of direct sunlight. Keep out of reach of children and away from foodstuffs.
<b>Incompatible products:</b>	Refer to Section 10.

#### SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Engineering controls:</b>	No exposure standards have been established for this material by HSIS. However, as with all chemicals, exposure should be kept to the lowest possible levels.
<b>Respiratory protection:</b>	Not normally required. However if engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against fume. Reference should be made to

Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices

**Skin protection:** Gloves are recommended as good industrial practice  
**Eye/face protection:** Safety glasses are recommended as good industrial practice.  
**See Section 2 for exposure limits.**

#### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Solid (tablet).  
**Colour:** Grey  
**Odour:** None.  
**pH:** N/A  
**Boiling point/range:** >500°C.  
**Melting point/range:** >200°C  
**Specific gravity:** Approx. 4 g/cm<sup>3</sup>  
**Vapour density:** N/A  
**Evaporation rate:** N/A  
**Solubility in water:** Partially soluble.

#### SECTION 10 - STABILITY AND REACTIVITY

**Stability:** Stable at normal temperatures and conditions.  
**Hazardous polymerization:** Will not occur.  
**Hazardous decomposition products:** In case of incomplete combustion and/or thermal decomposition carbon monoxide, carbon dioxide may be released. Molten tin may be formed.  
**Incompatibility:** Strong oxidising agents.  
**Conditions to avoid:** See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).

#### SECTION 11 - TOXICOLOGICAL INFORMATION

**Product toxicity data:** Not determined.

#### SECTION 12 - ECOLOGICAL INFORMATION

**Ecological information:** The product is not readily biodegradable but inherently biodegradable.

#### SECTION 13 - DISPOSAL CONSIDERATIONS

**Recommended method of disposal:**  
Recover or recycle if possible. Dispose of according to Federal, State and local governmental regulations.

#### SECTION 14 - TRANSPORT INFORMATION

Not classified as a Dangerous Good, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (6th Edition).

**Domestic (Land):**  
**Proper shipping name:** No information found  
**UN No.:**

**Hazard class or division:**

**Packing group:**

**International Air Transportation (ICAO/IATA):**

**Proper shipping name:** No information found

**UN No.:**

**Hazard class or division:**

**Packing group:**

#### SECTION 15 - REGULATORY INFORMATION

**Poisons Schedule (SUSDP):** Not Listed.

**ADG Code:** No information found.

**NOHSC:** Not Listed.

#### SECTION 16 – OTHER INFORMATION

**Abbreviations/Acronyms:**

- ADG – Australian Dangerous Goods.
- AICS – Australian Inventory of Chemical Substances.
- HSIS - Hazardous Substances Information System.
- IARC – International Agency for Research on Cancer.
- NIOSH – National Institute of Occupational Health and Safety.
- NOS – Not Otherwise Specified.
- PEL – Permissible Exposure Limit.
- STEL – Short Term Exposure Limit.
- SWA – SafeWork Australia, formally ASCC and NOHSC.
- SUSDP – Standard for the Uniform Scheduling of Drugs and Poisons.
- TLV – Threshold Limit Value.
- TWA – Time Weighted Average.

#### DISCLAIMER

The information contained within this MSDS applies only to the Chemtools product to which the sheet relates.

The information provided is based on our best knowledge at the time of issue.

The information contained within this MSDS is believed to be accurate and is given in good faith. However, no warranty is made, either expressed or implied, regarding its accuracy or any liability arising out of the use of the information herein or the product supplied.

When used in other preparations, formulations, or in mixtures, it is necessary to ascertain whether the classifications of the hazards have changed. The attention of the user is drawn to the possibility of creating other hazards when the product is used for purposes other than that for which it was recommended. In such cases, a reassessment may be necessary and should be made by the user.

This safety data sheet should only be used and reproduced in order that the necessary measures are taken relating to the protection of health and safety at work.

It is the responsibility of the handlers to pass on the totality of the information contained within this document to any subsequent person(s) who will come in to contact with, handle or use this product in any way.

They should check the adequacy of the information provided within this MSDS before passing it on to their customers/staff.