

SECTION 1. Identification of the substance/mixture and of the company/undertaking**1.1 Product Identifier**

Product Form: Mixture
Product Name: TMT-TC-2 Tip Tinner
Product Code: TMT-TC-2
Type of Product: Tip Tinner

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Soldering.
Uses advised against: No data available

1.3 Details of the supplier of the safety data sheet

Supplier: Thermaltronics USA, Inc.
1 Barstow Road, STE P19
Great Neck, NY, 11021
United States
Email: support@thermaltronics.com
Telephone: 1-516-829-2726
Fax: 1-516-829-2891

1.4 Emergency Telephone Number: 1-516-829-2726

SECTION 2. Hazards Identification**2.1 Classification of the substance or mixture**

See Section 15 for HMIS/NFPA Rating

Classification according to Regulation (EC) No 1272/2008 [CLP]

H319: Serious eye damage/eye irritation, Category 2A

H335: Specific target organ toxicity, single exposure; Respiratory tract irritation, Category 3

For the full text of the H-Statements mentioned in this Section, see Section 16.

Adverse physicochemical, human health and environmental effects

No additional informational available.

2.2 Label Elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]****Hazard Pictograms:**

Signal Word: Warning
Hazard Statements: H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary Statements:
P102 Keep out of reach of children.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.

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2.3 Other Hazards	<p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P304 + P340 + P312 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.</p> <p>P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337 + P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P403 + P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/container in accordance with local regulations.</p> <p>None</p>									
SECTION 3. Composition/Information on ingredients										
3.1 Substances	Not Applicable.									
3.2 Mixtures										
Components	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">CAS Number</th> <th style="width: 10%;">%</th> <th style="width: 60%;">Classification</th> </tr> </thead> <tbody> <tr> <td>Tin</td> <td style="text-align: center;">45-65</td> <td>Eye Irrit. 2A, H319; STOT SE 3, H335</td> </tr> <tr> <td>Diammonium Phosphate</td> <td style="text-align: center;">35-55</td> <td>None</td> </tr> </tbody> </table>	CAS Number	%	Classification	Tin	45-65	Eye Irrit. 2A, H319; STOT SE 3, H335	Diammonium Phosphate	35-55	None
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Tin	45-65	Eye Irrit. 2A, H319; STOT SE 3, H335								
Diammonium Phosphate	35-55	None								
<p>For the full text of the H-Statements mentioned in this Section, see Section 16. Exact percentage (concentration) of composition has been withheld as a trade secret. None of the materials in this product are listed in NTP, IARC, or OSHA as carcinogens.</p>										
SECTION 4. First Aid Measures										
4.1 Description of first aid measures										
General Advice:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.									
Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician if unwell.									
Skin Contact:	Wash off with soap and plenty of water. Consult a physician if unwell.									
Eye Contact:	Rinse thoroughly with plenty of water. Consult a physician if unwell.									
Ingestion:	Rinse mouth with water. Consult a physician if unwell.									
4.2 Most important symptoms and effects, both acute and delayed										
The most important known symptoms and effects are described in section 2.2 and/or in section 11										
4.3 Indication of any immediate medical attention and special treatment needed										
No Data Available.										
SECTION 5. Firefighting Measures										
5.1 Extinguishing Media										
Suitable Extinguishing Media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.									
Unsuitable Extinguishing Media:	None.									
5.2 Special hazards arising from the substance or mixture										
Tin oxides, Nitrogen oxides (NOx), Oxides of phosphorus										
5.3 Advice for Firefighters										
Wear self-contained breathing apparatus if necessary.										

SECTION 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
6.1.1 For non-emergency personnel / Personal precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.1.2 For emergency responders

No additional information available.

6.2 Environmental precautions

Do not empty into drains or water bodies.

6.3 Methods and material for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7. Handling and Storage

7.1 Precautions for safe handling

Keep containers securely sealed when not in use. Avoid physical damage to containers. Use good occupational work practice. Observe manufacturer's storage and handling recommendations. Keep dry. Store under cover. Protect containers against physical damage. For precautions see section 2.2.

Take off immediately all contaminated clothing and wash it before reuse. When handling, do not eat, drink or smoke. Always wash hands with soap and water after handling.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Use packaging as recommended by manufacturer. Avoid reaction with oxidising agents.

7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8. Exposure Controls/Personal Protection

8.1 Control Parameters:
Components with workplace control parameters

Component	CAS-No.	Value	Control Parameters	Basis
Tin	7440-31-5	TWA	2 mg/m ³	USA. ACGIH Threshold Limit Values (TLV)
		TWA	2 mg/m ³	USA. NIOSH Recom

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TWA 2 mg/m³ USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

PEL 2 mg/m³ California permissible exposure limits for chemical contaminants (Title 8, Article 107)

8.2 Exposure Controls

Appropriate Engineering Controls:	Keep airborne concentrations below the occupational exposure limits (OEL). Keep overall exposure as low as possible. For frequent or prolonged soldering processes, use of a local exhaust system
Personal protective equipment:	For likely contacts, use of protective nitrile gloves or other chemically resistant gloves. If contact with molten metal is likely, wear thermally resistant gloves.
Respiratory Protection:	For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards

SECTION 9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state:	Solid (Tablet)
Appearance:	Grey
Odor:	Mild
Odor Threshold:	No data available
pH:	No data available
Melting point/Freezing point:	232C
Initial boiling point/boiling range:	260C
Flash point:	No data available
Evaporation rate:	No data available
Flammability (solid; gas):	No data available
Lower flammable/explosive limit:	No data available
Upper flammable/explosive limit:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	No data available
Solubility:	Partially Soluble
Partition coefficient-n-octanol/water:	No data available
Auto-ignition temperature:	No data available

Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available
9.2 Other Information	No data available
SECTION 10. Stability and Reactivity	
10.1 Reactivity	No data available
10.2 Chemical Stability	Stable under recommended storage conditions.
10.3 Possibility of Hazardous Reactions	No data available
10.4 Conditions to Avoid	No data available
10.5 Incompatible Materials	Strong oxidizing agents, Strong acids, Strong bases
10.6 Hazardous decomp. products	See section 5.
SECTION 11. Toxicological Information	
11.1 Information on toxicological effects	
Acute Toxicity:	Tin - No Data Available Diammonium Phosphate - LD50 Oral - Rat - male and female - > 2,000 mg/kg (OECD Test Guideline 425), LC50 Inhalation - Rat - male and female - 4 h - > 5 mg/l (OECD Test Guideline 403), LD50 Dermal - Rat - male and female - > 5,000 mg/kg (OECD Test Guideline 402)
Skin corrosion/Eye Irritation:	Tin - No Data Available Diammonium Phosphate - Skin - Rabbit; Result: No skin irritation - 24 h (OECD Test Guideline 404); Remarks: (in analogy to similar products)
Serious eye damage/Eye irritation:	Tin - No Data Available Diammonium Phosphate - Eyes - Bovine cornea; Result: No eye irritation - 4 h (OECD Test Guideline 437)
Respiratory or skin sensitization:	Tin - No Data Available Diammonium Phosphate - Local lymph node assay (LLNA) - Mouse; Result: negative (OECD Test Guideline 429)
Germ cell mutagenicity:	Tin - No Data Available Diammonium Phosphate - Ames test, Escherichia coli/Salmonella typhimurium, Result: negative; Chromosome aberration test in vitro, Chinese hamster ovary cells, Result: negative
Carcinogenicity:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive Toxicity: STOT - single exposure: STOT - repeated exposure: Aspiration hazard: Additional information:	No data available Tin - Inhalation - May cause respiratory irritation. Diammonium Phosphate - No Data Available No data available No data available Tin: RTECS: XP7320000 Diammonium Phosphate - RTECS: Not available; Repeated dose toxicity - Rat - male and female - Oral - No observed adverse effect level - 250 mg/kg
SECTION 12. Ecological Information	
12.1 Toxicity: 12.2 Persistence and Degradability: 12.3 Bioaccumulative Potential: 12.4 Mobility in Soil: 12.5 Results of PBT and vPvB Assessment: 12.6 Other Adverse Effects:	Tin: No data available Diammonium Phosphate: Toxicity to fish: semi-static test LC50 - Oncorhynchus mykiss (rainbow trout) - > 100 mg/l - 96 h (OECD Test Guideline 203) Toxicity to daphnia and other aquatic invertebrates: static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (OECD Test Guideline 202) Toxicity to algae: static test EC50 - Pseudokirchneriella subcapitata - > 100 mg/l - 72 h (OECD Test Guideline 201) Toxicity to bacteria: static test EC50 - activated sludge - > 100 mg/l - 3 h (OECD Test Guideline 209) No data available No data available No data available No data available Tin: No data available Diammonium Phosphate: No data available
SECTION 13. Disposal Considerations	
13.1 Waste Treatment Methods Regional legislation (waste): Product/Packaging disposal recommendations:	Disposal must be done according to official regulations. Dispose in accordance with local, regional, national and/or international regulation. Do not dispose in sewage or water bodies.
SECTION 14. Transport Information	
Ground Not Dangerous Goods Air Not Dangerous Goods Sea Not Dangerous Goods	(Refer to USA DOT 49 CFR (Parts 100 to 185) Regulations.) Refer to ICAO-IATA Dangerous Goods Regulations. Refer to IMDG Regulations.

SECTION 15. Regulatory Information

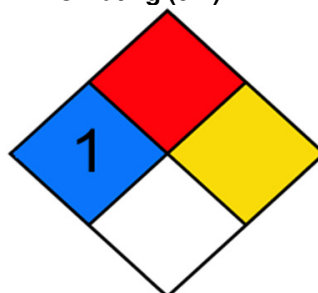
United States:

All chemical substances in this product are listed in the EPA (Environmental Protection Agency) and the TSCA (Toxic Substances Control Act) Inventory).

HMIS® Rating (0-4)

Chemical Name	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

NFPA® Rating (0-4)



California Proposition 65

This product does not contain any substances known to be listed in CA Prop 65.

EPCRA (Emergency Planning and Right to Know Act)

This product does not contain ingredients that subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372.

TOXIC Substance Control Act (TSCA):

All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

CANADA:

WHMIS REGULATIONS

The Canadian workplace hazardous materials information system classification for this product is, "This product has been classified in accordance with the hazard criteria of the Canadian Controlled Product Regulations (CPR) and the SDS contains all the information required by the CPR.

EUROPEAN UNION:

RoHS (Restriction of Hazardous Substances Directive)

This product does not contain any lead, cadmium, mercury, hexavalent chromium, PBB's, PBDE's, DEHP, BBP, DBP, or DIBP and complies with European RoHS regulations.

WEEE (Waste Electrical and Electronic Equipment Directive)

This product is not a piece of electrical or electronic equipment, and it is therefore not governed by this regulation.

REACH SVHC (Substances of Very High Concern):

This product does not contain any substances on the SVHC List or Authorization List.

SECTION 16. Other Information

Preparation Information: Created September 1st, 2012. Updated January 6th, 2025.

Revision Summary: This SDS replaces rev. March 14th, 2024

Abbreviations and acronyms

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

STOT SE3: Specific target organ toxicity, single exposure; Respiratory tract irritation, Category 3

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