

Assembly Technologies International
(DBA American Beauty Tools)

Safety Data Sheet
29 CFR 1910.1200



Section 1: Company and Product Identification

Product Name: Soldering Iron Tip

Model Numbers: 500 Series, 600 Series, 700 Series, 42 Series, 43 Series, 44 Series, 45 Series, 46 Series, 88 Series

Company: American Beauty Tools
1937 Barrett Dr.
Troy, MI 48084
PH: 1-800-550-2510, 1-248-280-2810

Emergency Response: CHEMTREC 24 Hour Emergency Telephone Numbers:
1-(800)-424-9300
+1-703-527-3887

Section 2: Hazards Identification

Hazard Pictograms:

Signal Word: Not Applicable

Hazard Category: Non-classified

Hazard Statements: Not Applicable

Precautionary Statements:

P405: Store locked up

Hazards not otherwise classified:

Massive tin, administered by various routes to several different experimental models and for varying durations of exposure was not found to induce any signs of systemic toxicity, acute trauma or bioaccumulation/progressive adverse reaction following long term repeated exposure. One extended investigation into stannosis development confirmed the possibility of local permanent/semi-permanent deposition of tin in the lungs but despite extensive research with the affect individual, it was not possible to conclude any adverse effects arising from stannosis development. Long term inhalation of metallic tin powder is not associated with adverse clinical symptoms and had no deleterious effect on life expectancy or quality/duration of life.

Section 3: Composition / Information on Ingredients

Hazardous substance (name)	Hazard Category	CAS#	Weight %
Copper	Not classified	7440-50-8	98-99
Iron	Not classified	7439-89-6	1-2

Nickel	Not contribute to the classification of product	7440-02-0	0-0.0008
Chromium	Not classified	7440-47-3	0.0001-0.0006
Tin	Not classified	7440-31-5	0-0.002

Section 4: First Aid Measures

General Info: No hazards which require special first aid measures.

Notable Exposure symptoms: No symptoms known or expected.

If ingested: Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

If inhaled: If breathed in, move person into fresh air.
If unconscious place in recovery position and seek medical advice.
If symptoms persist, call a physician.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses.
Protect unharmed eye.

Skin contact: First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.

Additional Info: Notes to physician: No hazards which require special first aid measures..

Section 5: Fire Fighting Measures

General Info:

Organic tin dusts at sufficient concentration can form explosive mixtures in air.
Do not allow run-off from fire fighting to enter drains or water courses.

Extinguishing Method / Equipment: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Water spray
Foam
Product is compatible with standard fire-fighting agents.
Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus and full fire-fighting turn-out gear.

Hazardous In a fire, this tin coating can release metal oxide fumes(tin oxides (SnOx)).

Decomposition Info: Do not use water on fires where molten metal is present.

Further information Standard procedure for chemical fires.

Section 6: Accidental Release Measures

Personal precautions, Avoid dust formation.

protective equipment Avoid breathing dust and fumes.

and procedures: Remove or keep away all sources of extreme heat.
Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Containment Pick up and arrange disposal without creating dust. Collect waste in a sealable waste container.

Equipment and Reuse molten material if it is not contaminated. Keep in suitable, closed containers for disposal.

Procedures: Prevent further leakage or spillage if safe to do so. Avoid release to environment.

Cleanup Procedures: Pick up and arrange disposal without creating dust. Collect waste in a sealable waste container. Reuse molten material if it is not contaminated. Keep in suitable, closed containers for disposal. Prevent further leakage or spillage if safe to do so. Avoid release to environment.

Other information: Comply with all applicable federal, state, and local regulations.

Section 7: Handling and Storage

Safe Handling Keep out of reach of children.

Precautions: Avoid dust formation and breathing fumes.
Smoking, eating and drinking should be prohibited in the application area.
Wear protective gloves/clothing/eye protection
For personal protection see section 8.

Recommendations for No smoking.

Storage: Store at appropriate temperatures in a dry, well-ventilated location.
Keep away from heat, sparks, open flame, and other sources of ignition.
Electrical installations / working materials must comply with the technological safety standards.

Incompatibilities: No materials to be especially mentioned.

Section 8: Exposure Control / Personal Protection

General / Engineering Provide appropriate exhaust ventilation at places where dust is formed. Keep airborne concentration

Controls: below exposure limit. General room ventilation should be adequate for normal conditions of use.

Because tip tinning temperature are too low to generate metal vapors, fumes, or dust, the risk of metal or metal compound generation are negligible, however, the use of a local exhaust system is highly recommended due to the possible of other thermally degradable contaminants on the tip. Use local or general exhaust ventilation to effectively remove and prevent buildup of vapors or mist generated from the handling of this product.

Ensure appropriate decontamination equipment is available(e.g. sink, safety shower, eye-wash station.)

Eye/face protection: Avoid eye contact.

Safety glasses need to be used when handling or using this product, ensure that glasses have side shields for lateral protection

Skin Protection: For incidental contacts, use nitrile or other chemically resistant gloves. Thermal resistant gloves should be worn instead if contact with molten metal is expected.

Maybe cause skin irritation in some sensitive individuals. Wear as appropriate:

Safety shoes

No apron required when handling small quantities.

Upon completion of work activities, involving large quantities of this product, wash any exposed area thoroughly with soap and water.

Respiratory No personal respiratory protective equipment normally required under typical circumstances of use or

Protection: handling. If exposed to fumes or dust above the exposure limit, a suitable wear respirator meeting local/regional/national guidelines.

Generally, for emergencies and exposure above 0.01 mg/m³, use a self-contained breathing apparatus with full face piece operated in a pressure positive mode.

Additional Hygiene measures:

Information: Avoid breathing dust.

Wash hands thoroughly with water and soap after handling. Follow the good industrial hygiene practice

Substances with Exposure Limits	CAS#	Value type (Form of exposure)	Control parameters/ Permissible concentration	Basis
TIN	7440-31-5	TWA	2 mg/m ³	ACGIH
		REL	2 mg/m ³ (as Sn)	NIOSH/GUID E
		PEL	2 mg/m ³ (as Sn)	OSHA_ TR A NS

		TWA	2 mg/m ³ (as Sn)	TN OEL
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Section 9: Physical and Chemical Properties

State: solid	Melting Point: 1083 ° C	Freezing Point: Not avail
Color: Silver grey	Boiling Point/Range: 2567 ° C	pH: No data available
Sp Grav: Not applicabl	Odor: None	Water Solubility: Insoluble
Evaporation rate: No data available	Flash Point: No data available	Part. Coeff (n-octanol/water): Not avail
Upper Flam Limits: Not applicabl	Lower Flam Limits: Not applicable	Vapor Pressure: Not applicable
VOC Content (lbs/gal): Not avail	Viscosity: Not applicable	Autoignition Temp: Not avail
		Density: 8.89 g/cm ³

Section 10: Stability and Reactivity

General: Reactivity- No decomposition if stored and applied as directed.
 Chemical stability- Stable under recommended storage conditions.
 Possibility of hazardous reactions- Product will not undergo hazardous polymerization.

Incompatible materials: Strong acids
 Oxidizing agents

Decomposition products: Will not decompose under normal conditions.
 For thermal decomposition, see combustion products in section 5.

Conditions to avoid: Extreme temperature above 450° C, such as those due to welding.
 Keep away from heat, flame, sparks and other ignition sources.

Section 11: Toxicological Information

General Information: TIN:
 Result: Slightly irritating to eyes

Toxicological Information (product): Acute toxicity
 Not classified based on available information.

Likely Routes of Exposure: Inhalation
 Skin contact
 Eye Contact
 Ingestion

Skin corrosion/irritation: Not classified based on available information.
 TIN: Result: Not irritating to skin

Serious eye damage/eye irritation: Not classified based on available information.
 Remarks: Unlikely to cause eye irritation or injury., Product dust may be irritating to eyes, skin and respiratory system.
 TIN:
 Result: Slightly irritating to eyes

Toxicological Information (contained substances)

Hazardous substance (name)	LD50 Oral	LD50 Dermal	LC50 Inh	Irritancy:
TIN	>2000 mg/kg (rat)	>2000 mg/kg (rat)	>4.75 mg/l (rat)	NA
	Method: OECD Test Guideline 423 Assessment: Not classified as acutely toxic by ingestion under GHS	Method: OECD Test Guideline 402 Assessment: Not classified as acutely toxic by dermal absorption under GHS.	Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Assessment:	Eye irritancy, mucous membrane irrit

Carcinogenicity or mutagenicity: 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.
 OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
 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.
 Not classified based on available information.

Skin or Respiratory Sensitization: Skin sensitisation: Not classified based on available information.
 Respiratory sensitisation: Not classified based on available information.

Other Notes: Germ cell mutagenicity: Not classified based on available information.
 Reproductive toxicity: Not classified based on available information.
 STOT - single exposure: Not classified based on available information
 STOT - repeated exposure: Not classified based on available information.
 Aspiration toxicity: Not classified based on available information.

Section 12: Ecological Information

General information: Not classified based on available information.

Aquatic toxicity: Not classified based on available information..

Degradation / Mobility info: No data available.

Bioaccumulative potential: No data available

Section 13: Disposal Information

Product disposal: Dispose of in accordance with all applicable local, state and federal regulations.

Container disposal: Contaminated packaging: Empty remaining contents.

Section 14: Transport Information

DOT: Not dangerous goods

IMO/IMDG: Not dangerous goods

IATA: Not dangerous goods

OTHER: Marine Pollutant: No

Comments: Consult shipping documents for descriptions that are specific to the shipment.

Section 15: Regulatory Information

TSCA: On TSCA Inventory

CERCLA RQ: Not avail

SARA 311/312: not avail

SARA 313 This material does not contain any chemical components with known GAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop 65 This product does not contain any chemicals known to State
Substances: of California to cause cancer, birth defects, or any other reproductive harm.

Canadian DSL: All components of this product are on the Canadian DSL.

WHMIS: Not avail

Other: AUSTR: On the inventory, or in compliance with the inventory

ENCS : Not in compliance with the inventory

KECL: On the inventory, or in compliance with the inventory

PHIL : On the inventory, or in compliance with the inventory

IECSC: On the inventory, or in compliance with the inventory

Inventories: AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

Section 16: Other Information

SDS Author: ASSEMBLY TECHNOLOGIES INTERNATIONAL **Version Date:** 6/14/16

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NE = Not Established NA = Not Applicable