

Assembly Technologies  
International  
(DBA American Beauty Tools)

Safety Data Sheet  
29 CFR 1910.1200



## Section 1: Company and Product Identification

**Product Name:** Solder, Lead-Free

**Product Code:** CS-PBF1

**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

GHS09

**Hazard Pictograms:**



**Signal Word:** Warning

**Hazard Category:** Acute Aqua tox 1  
Chronic tox 1

**Hazard Statements:** May be harmful if swallowed  
May be harmful if inhaled  
May cause eye irritation  
May be harmful in contact with the skin  
Very toxic to aquatic life with long lasting effects

**Precautionary Statements:** P273: Avoid release to the environment  
P301: IF SWALLOWED:  
P310: Immediately call a POISON CENTER or doctor/physician  
P303: IF ON SKIN (or hair):  
P361: Remove/Take off immediately all contaminated clothing  
P353: Rinse skin with water/shower  
P314: Get Medical advice/attention if you feel unwell  
P304: IF INHALED:  
P340: Remove victim to fresh air and keep at rest in a position comfortable for  
P305: IF IN EYES:  
P351: Rinse cautiously with water for several minutes  
P338: Remove contact lenses if present and easy to do. continue rinsing  
P310: Immediately call a POISON CENTER or doctor/physician  
P501: Dispose of contents/container in accordance with local/regional/national/international rules.  
P261: Avoid breathing mist/vapours/spray  
P262: Do not get in eyes, on skin, or on clothing  
P271: Use in a well-ventilated area  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P285: In case of inadequate ventilation wear respiratory protection  
P260: Do not breathe dust/fume/gas/mist/vapours/spray  
P270: Do not eat, drink or smoke when using this product  
P264: Wash thoroughly after handling  
P363: Wash contaminated clothing before reuse

Store in a closed compatible container in cool dry place  
 P273: Avoid release to the environment  
 P501: Dispose of contents/container in accordance with local/regional/national/international rules.  
 P102: Keep out of reach of children  
 Read label and SDS prior to use

### Section 3: Composition / Information on Ingredients

Hazardous substance (name)	OSHA TWA	ACIGH TWA	CAS#
Tin	2mg/M3	2mg/M3	7440-31-5
Copper +	0.1mg/M3	0.2mg/M3	7440-50-8
Silver +	0.5mg/M3	0.5mg/M3	7440-22-4

Only those ingredients listed in this section have been determined to be hazardous as defined in 29CFR 1910.1200. An ingredient marked with an asterisk(\*) is also listed in 29CFR 1910.1200(D) #4 as a known or suspected cancer hazard. (+) denotes a chemical regulated as toxic by the Environmental Protection Agency (EPA) as outlined in 40CFR Part 372 (section 313)

### Section 4: First Aid Measures

**General Info:** Medical conditions aggravated by exposure: Skin, kidney and respiratory conditions.

**Notable Exposure symptoms:** Inhalation-Nose & throat irritation, headache, dizziness, difficulty breathing, coughing. Ingestion- nausea, vomiting, cramps. Skin-redness, burning, rash, dryness. Eye-redness, burning, tearing, blurred vision.

**If ingested:** DO NOT induce vomiting, drink large amounts of water - seek medical attention. Never give anything by mouth to an unconscious person

**If inhaled:** Remove to fresh air. Support respiration if required - Seek medical attention

**Eye contact:** Flush with water for 15 minutes - Seek medical attention

**Skin contact:** Flush with water immediately - Seek medical attention if necessary

### Section 5: Fire Fighting Measures

**Extinguishing** dry chemical.

**Method / Equipment:**

Special fire fighting procedures: use self sustaining respiratory suit.

Unusual Fire and Explosion Hazards: High concentrations of dust may be explosive above 1100

F. May release metal and metal oxide fumes

**Hazardous** N/A

**Decomposition Info:**

### Section 6: Accidental Release Measures

**Personal precautions, Methods and materials:** Flush into chemical sewer or sweep up with a suitable absorbent. Wear protective equipment adequate protection as described in section 8.  
**and procedures:**

Environmental Precautions: Avoid release to the environment. Collect spillage.

**Containment** N/A  
**Equipment and Procedures:**

**Cleanup Procedures:** N/A

**Section 7: Handling and Storage**

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**Safe Handling Precautions:** Wash thoroughly after use. Wash contaminated clothing before reuse.  
 Keep out of the reach of children. Read label and SDS prior to use.

**Recommendations for Storage:** Store in a closed corrosive resistant container, with corrosive resistant liner, in cool dry place

**Incompatibilities:** N/A

**Section 8: Exposure Control / Personal Protection**

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**General / Local Exhaust preferred** Special: NE  
**Engineering** Mechanical: OK  
**Controls:** Other: NE

**Work Clothing:** Protective Gloves: plastic or rubber

**Eye/face protection:** Goggles or face shield

**Skin Protection:** Protective Gloves: plastic or rubber

**Respiratory Protection:** HEPA mask required for fumes above TWA

**Additional Information:** Work/Hygienic Practices: Wash after use. Follow good industrial hygienic practices

Substances with Exposure Limit	CAS#	ACGIH-TWA	OSHA-TWA
Tin	17440-31-5	2mg/M3	2mg/M3
Copper	7440-50-8	0.2mg/M3	0.1mg/M3
Silver	7440-22-4	0.5mg/M3	0.5mg/M3

**Section 9: Physical and Chemical Properties**

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<b>State:</b> Solid	<b>Melting Point:</b> 450 F	<b>Freezing Point:</b> Not avail
<b>Color:</b> Silver/Gray	<b>Boiling Point/Range:</b> 4120 F	<b>pH:</b> NE
<b>Sp Grav:</b> 7.3	<b>Odor:</b> odorless	<b>Water Solubility:</b> nil
<b>Evaporation rate:</b> <1 (butyl acetate=1)	<b>Flash Point:</b> NE (TOC)	<b>Part. Coeff (n-octanol/water):</b> Not avail
<b>Upper Flam Limits:</b> NE	<b>Lower Flam Limits:</b> NE	<b>Vapor Pressure:</b> NE
<b>VOC Content (lbs/gal):</b> N/A	<b>Viscosity:</b> N/A	<b>Autoignition Temp:</b> 250 C

### Section 10: Stability and Reactivity

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**General:** Stability : STABLE  
Conditions to avoid : none

**Incompatible materials:** strong bases & acids, oxidizers, sulfides, halogens.

**Decomposition products:** High concentrations of dust may be explosive above 1100 F. May release metal and metal oxide fumes.

**Hazardous Polymerization:** WILL NOT OCCUR Conditions to avoid: none

### Section 11: Toxicological Information

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**General Information:** Health Hazards (acute and chronic): Contact with fumes, dust and material may cause skin, eye and respiratory tract irritation. Ingestion may cause digestive tract irritation. Gross or repeated inhalation may result in "metal fume fever", symptoms of which may not manifest for several hours after exposure. Chronic exposure via inhalation may result in benign pneumoconiosis, other respiratory tract effects. Chronic inhalation and ingestion may result in kidney effects. Studies show that potential health risks vary by individual. Always minimize exposure as a

**Toxicological Information (product):** Health Hazards (acute and chronic): Contact with fumes, dust and material may cause skin, eye and respiratory tract irritation. Ingestion may cause digestive tract irritation. Gross or repeated inhalation may result in "metal fume fever", symptoms of which may not manifest for several hours after exposure. Chronic exposure via inhalation may result in benign pneumoconiosis, other respiratory tract effects. Chronic inhalation and ingestion may result in kidney effects. Studies show that potential health risks vary by individual. Always minimize exposure as a

**Likely Routes of Exposure:**  
Inhalation: yes  
Skin: no  
Ingestion: yes

**Carcinogenicity or mutagenicity:** not determined NPT? no IARC Monographs? No

**Sensitization:** N/A

### Section 12: Ecological Information

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**General information:** Toxicity: NE  
PBT & vPvB Assessment: NE

**Aquatic toxicity:**

**Degradation / Mobility info:** NE

**Bioaccumulative potential:** NE

**Section 13: Disposal Information**

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**Product disposal:** dispose of in accordance with all local state and federal regulations

**Container disposal:** N/A

**Other considerations:** Avoid skin & eye contact, inhalation & ingestion of fumes and material. Wash contaminated clothing before reuse. Keep away from children.

**Section 14: Transport Information**

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**DOT:** Non-Hazardous

**IMO/IMDG:** Non-Hazardous

**IATA:** Non-Hazardous

**OTHER:** N/A

**Comments:** Marine Pollutant: NE

**Section 15: Regulatory Information**

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**TSCA:** Not avail

**CERCLA RQ:** Not avail

**SARA 311/312:** not avail

**SARA 313** not avail

**California Prop 65 PROPOSITION 65 WARNING:** American Beauty tools & accessories are lead-free & RoHS

**Substances:** Compliant. However, use of this product with lead-bearing solders (or any other chemicals found on the current Proposition 65 List) could expose the user to chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm.

**Canadian DSL:** not avail

**WHMIS:** not avail

**Other:** NFPA Classification (NFPA 325M,8th edition)(Health, Flammability, Reactivity): 1-0-0

**Section 16: Other Information**

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**SDS Author:** ASSEMBLY TECHNOLOGIES INTERNATIONAL **Version Date:** 4/14/2021

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NE = not established    N/A = not applicable