

Assembly Technologies  
International  
(DBA American Beauty Tools)

Safety Data Sheet  
29 CFR 1910.1200



### Section 1: Company and Product Identification

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

**Product Number:** CS-PBF3 & CS-PBF4

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

**Emergency** CHEMTREC 24 Hour Emergency Telephone Numbers:

**Response:** 1-(800)-424-9300  
+1-703-527-3887

### Section 2: Hazards Identification

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**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:** Avoid breathing mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Use in a well ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.  
In case of inadequate ventilation use respiratory protection. Do not breathe dust/fume/gas/mist/vapor/spray.  
Do not eat, drink or smoke when using this product. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Immediately call a POISON CENTER/Doctor.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice/attention if you feel unwell.  
IF INHALED: Remove victim to to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call POISON  
Wash thoroughly after use. Wash contaminated clothing before reuse. Store in a closed compatible container in cool dry place. Avoid release to the environment. Dispose of contents/container in accordance with specified local/regional/national/international regulations for disposal. Keep out of the reach of children. Read label and SDS prior to use.

**Hazards not otherwise classified:** NA

### Section 3: Composition / Information on Ingredients

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Hazardous substance (name)	OSHA TWA	CAS#	ACIGH TWA
Tin	2mg/M3	7440-31-5	2mg/M3
Copper +	0.1mg/M3	7440-50-8	0.2mg/M3
Antimony +	0.5mg/M3	7440-36-0	0.5mg/M3
Silver +	0.01mg/M3	7440-22-4	0.1mg/M3

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 4: First Aid Measures

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**General Info:** Contact with material, dust and fumes may cause skin, eye and respiratory tract irritation. Excessive inhalation of dust or fumes may result in "metal fume fever", with the onset of symptoms taking several hours after exposure to manifest. Ingestion may cause digestive tract irritation. Ingestion of very large amounts of material may be toxic. Excessive and repeated inhalation may result in benign pneumoconiosis. Chronic exposure via inhalation and ingestion may result in liver, red blood cell, kidney, reproductive and respiratory system effects. Excessive and repeated skin exposure may result in systemic effects including pigmentation changes. Studies show that potential health risks vary by individual. Always minimize exposure.

**Notable Exposure symptoms:** Signs and symptoms of exposure: 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 Inhalation: Remove to fresh air. Support respiration if required - Seek medical attention

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

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

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

**Additional Info:** NA

#### Section 5: Fire Fighting Measures

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

**Extinguishing** Dry chemical.

**Method / Equipment:** Use self sustaining respiratory suit.

**Hazardous** NA

**Decomposition Info:**

#### Section 6: Accidental Release Measures

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

**Containment Equipment and Procedures:** Environmental Precautions: Avoid release to the environment. Collect spillage.

**Cleanup Procedures:** Environmental Precautions: Avoid release to the environment. Collect spillage.

## Section 7: Handling and Storage

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**Safe Handling Precautions:** Wash thoroughly after use. Wash contaminated clothing before reuse.

**Recommendations for Storage:** Store in a closed corrosive resistant container, with corrosive resistant liner, in cool dry place. Keep out of the reach of children. Read label and SDS prior to use.

**Incompatibilities:** NA

## Section 8: Exposure Control / Personal Protection

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

**Work Clothing:** Protective Gloves: plastic or rubber  
Eye Protection: Goggles or face shield.  
Other Protective Clothing or Equipment: as required to avoid contact.

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

**Skin Protection:** Protective Gloves: plastic or rubber  
Eye Protection: Goggles or face shield

**Respiratory Protection:** HEPA mask required for fumes above TWA.  
OSHA TWA: Tin 2mg/M3; Copper 0.1mg/M3  
ACIGH TWA: Tin 2mg/M3; Copper 0.2mg/M3

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

## 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/Gra	<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

Upper Flam Limits: NE

Lower Flam NE  
Limits:Vapor NE  
Pressure:VOC Content  
(lbs/gal):

Viscosity: NA

Autoignition NA  
Temp:**Section 10: Stability and Reactivity**

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**General:** This product is stable and non-reactive under normal conditions of use.**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:** 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 precaution.**Toxicological Information (product):** 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 precaution.**Likely Routes of Exposure:** Inhalation: yes Skin: no Ingestion: yes**Section 12: Ecological Information**

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**General information:** NE**Aquatic toxicity:** NE**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:** dispose of in accordance with all local state and federal regulations

**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:** Not Established

**Comments:**

#### Section 15: Regulatory Information

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

**CERCLA RQ:** NE

**SARA 311/312:** NE

**SARA 313** NE

**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:** NE

**WHMIS:** NE

#### Section 16: Other Information

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**SDS Author:** ASSEMBLY TECHNOLOGIES INTERNATIONAL **Version Date:** 2/14/2021

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NE = Not Established N/A = Not Applicable