

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

Model Number: CS-PB1

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: 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 breathing
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
Antimony +	0.5mg/M3	0.5mg/M3	7440-36-0
Silver +	0.01mg/M3	0.1mg/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 Method dry chemical.

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

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

Containment Equipment and Procedures: N/A

Cleanup Procedures: N/A

Section 7: Handling and Storage

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

General / Engineering Controls: Local Exhaust preferred Special: NE

Mechanical: OK

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 Limits	CAS#	ACGIH-TWA	OSHA-TWA
Tin	17440-31-5	2mg/M3	2mg/M3
Copper	7440-50-8	0.2mg/M3	0.1mg/M3
Antimony	7440-36-0	0.5mg/M3	0.5mg/M3
Silver	7440-22-4	0.1mg/M3	0.01mg/M3

Section 9: Physical and Chemical Properties

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

Section 10: Stability and Reactivity

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

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 precaution.

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 precaution.

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

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

Aquatic toxicity:

Degradation / Mobility info: NE

Bioaccumulative potential: NE

Section 13: Disposal Information

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

DOT: Non-Hazardous

IMO/IMDG: Non-Hazardous

IATA: Non-Hazardous

OTHER: N/A

Comments: Marine Pollutant: NE

Section 15: Regulatory Information

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

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

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NE = not established N/A = not applicable