

in accordance with

### Section I – Identification

Manufacturer/Supplier: Weldtool Technologies Inc.

Telephone No: (714) 646-7527

Address: 3911 E. La Palma Ave, Anaheim, CA 92807

Emergency No: (714) 646-7527

**Trade Name:** Superflow USA 96.5/3.5 Classification: ASTM B32 96.5TS

Superflow USA 96/4

Superflow USA 94/6

**Family:** Soft solder alloy

Superflow USA 95/5

Classification: ASTM B32 95TA, SB5

### Section II – Composition Information

| Components                                                        | CAS Number | %       | OSHA PEL               |
|-------------------------------------------------------------------|------------|---------|------------------------|
| Tin                                                               | 7440-31-5  | Balance | 2.0 mg/m <sup>3</sup>  |
| Silver <sup>(1)</sup>                                             | 7440-22-4  | 3.0-7.0 | 0.01 mg/m <sup>3</sup> |
| Antimony <sup>(2)</sup>                                           | 7440-36-0  | 4.5-5.5 | 0.5 mg/m <sup>3</sup>  |
| (1) 96.5,/3.5,<br>96/4, 94/6 no<br>Antimony (2)<br>95/5 no silver |            |         |                        |

Unlisted percentages are non-hazardous stabilizers, activators, and water. None of the materials in this product are listed in NTP, IARC, or OSHA as Carcinogens. NIOSH classifies brazing fumes as a possible carcinogen. Threshold limit Value for brazing is 5 mg/m<sup>3</sup>

### Section III – Health Hazards

#### Emergency and First Aid Procedures

**Inhalation:** Remove to Fresh Air or Administer Oxygen. Call Physician.

**Eyes:** Flush with Water for 15 Minutes. Call Physician.

**Skin:** Wash Thoroughly with Water.

**Ingestion:** If Patient is Fully Conscious, Rinse Mouth. Obtain Medical Attention Immediately.

**Primary Routes of Entry into Body:** Fume Inhalation, Ingestion, Skin, and Eyes.

**Symptoms of Overexposure:** Irritation or dryness of the nose and throat, Salivation, Coughing, Choking, Chills, headache, thirstiness and tiredness. Molten alloy may burn on contact.

**Medical Conditions Generally Aggravated by Exposure:** Respiratory, Skin disorders

**Chemical Listed as Carcinogen or Potential Carcinogen:** None

**OSHA Permissible Exposure Limit (PEL):** 0.01 mg/m<sup>3</sup> (Silver)

**ACGIH Threshold Limit Value (TLV):** 0.01 mg/m<sup>3</sup> (Silver)

**H.M.I.S. Information:** HEALTH = 1 FLAMMABILITY = 0 REACTIVITY = 0

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## Section IV – Fire and Explosion Hazard Data

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**Flash Point: (Method Used):** None

**Flammable Limits:** Lower-NA, Upper-NA

**Extinguishing Media:** All

**Auto Ignition Temperature:** None

**Special Fire Fighting Procedures:** Normal Caution When Using metals

**Unusual Fire and Explosion Hazards:** May produce a variety of metal oxides and fumes when melted

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## Section V – Accidental Release Measures

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**Steps to be Taken in Case Material is Spilled:** Solid wire

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## Section VI – Stability and Reactivity

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**Stability:** Product is Stable

**Conditions to Avoid:** Excess Heat

**Incompatibility:** Strong acids, oxidizers or bases like sodium hydroxide

**Hazardous Decomposition Products:** Metal oxides and fumes when melted.

**Hazardous Polymerization:** Will Not Occur

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## Section VII – Control Measures

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**Ventilation:** Yes

**Local Exhaust:** Yes

**Protective Gloves:** Recommend, NIOSH Approved

**Eye Protection:** Safety Goggles

**Mechanical (General):** Yes

**Respiratory Protection (Type):** NIOSH Approved Respirator.

**Other Protective Clothing or Equipment:** Leather Apron as needed

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## Section VIII – Handling and Storage

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**Precautions to be Taken in Handling and Storage:** Store in Cool Area.

Wash hands and clothing thoroughly after use.

**Work/Hygienic Practices:** Avoid Contact with Skin, Eyes and Clothing. Avoid inhalation or ingestion

**Other Precautions:** Keep Container Away From Excessive Heat with proper labels.

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## Section IX – Physical and Chemical Characteristics

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**Boiling Point:** About 2500° F

**Specific Gravity (Water = 1):** 6.72

**Vapor Pressure (mm Hg):** NA

|                                    |                                                   |
|------------------------------------|---------------------------------------------------|
| <b>Vapor Density (Air = 1):</b> NA | <b>Evaporation Rate (Butyl Acetate = 1):</b> NA   |
| <b>Melting Point:</b> 430° F       | <b>Solubility in Water:</b> Insoluble             |
| <b>Reactivity in Water:</b> None   | <b>Appearance and Odor:</b> Silver gray, odorless |

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## Section X – Transportation and Disposal Considerations

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**D.O.T. Proper Shipping Name:** Non-Hazardous

**Hazard Class:** NA

**Identification Number:** NA

**Packing Group:** NA

**Type D.O.T Label Required Information:** NA

**Waste Disposal Method:** Dispose in Accordance with EPA Regulations.

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