

# SAFETY DATA SHEETS

**This SDS packet was issued with item:**

076950877

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

076950828 076950836 076950869



## MATERIAL SAFETY DATA SHEET

Revised/ Reviewed: September 13, 2004

UNIVERSAL SOLDER, Yellow (Gold) Color  
REF 017-45550, 017-45560 & 017-45585  
A multi-purpose solder for use in the dentistry.

### Section 1- Product and Company Information

Manufactured for: Miltex, Inc.; 589 Davies Drive, York, PA 17402

Information: 717-840-9335, 717-840-9347 (fax)

Chemical Name & Synonyms: No information available.

Chemical Formula: No information available, product is a mixture.

### Section 2 – Composition/ Information on Ingredients

- Silver; CAS # 7440-22-4; no information available on the Threshold Limit Value (TLV).
- Copper; CAS # 7440-50-8; no information available on the TLV.
- Zinc; CAS # 7440-66-6; no information available on the TLV.
- Cadmium; CAS # 7440-43-9; no information available on the TLV.
- Indium; CAS # 7440-74-6; no information available on the TLV.
- Potassium Fluoride; CAS # 7789-29-3; no information available on the TLV.
- Potassium Borate; CAS # 1332-77-0; no information available on threshold limit value.

The last two ingredients make up the flux and, combined, constitute 30% of the product.

### Section 3 - Health Identification

Potential Health Effects: Product contains cadmium. A dangerous smoke can develop during use and in case of overheating. Do not inhale smoke and avoid eye contact.

Primary Route(s) of Entry: Inhalation and eye contact.

Carcinogen: No information available

Medical Conditions Aggravated by Exposure: No information available

HMIS Ratings: Not established

### Section 4 - First Aid Measures

Eyes: Flush with water for at least 15 minutes. Consult medical practitioner.

Skin: Wash affected area with soap and water.

Ingestion: Consult a medical practitioner.

Inhalation: Remove person to fresh air.

### Section 5 – Fire Fighting Measures

No information available





## Section 6 - Physical and Chemical Properties

Physical State: Solid

Appearance and Odor: Odorless, brilliant yellow colored sticks (tubes), 1-mm in diameter, approximately 150-mm in length.

Melting Point (°C): approximately 650

Vapor Density (Air=1): Not applicable

Specific Gravity (H<sub>2</sub>O=1): 9.51

Evaporation Rate (butyl acetate=1): Not applicable

Vapor Pressure (mm Hg): Not applicable

Solubility in Water: No information available

pH: No information available

## Section 7 – Stability and Reactivity

Stability: No information available, believed to be stable.

Conditions to Avoid: Humidity

Incompatibility/ Materials to Avoid: Plastics and rubber

Hazardous Polymerization: No information available, thought that it will not occur.

Hazardous Decomposition Products: Cadmium.

## Section 8 – Accidental Release, Disposal, and Ecological Information

Spill Response: Clean up using mechanical means and water.

Waste Disposal Method: Dispose of in accordance with all applicable federal, state, and local regulations.

Ecological, General: No information available

## Section 9 – Exposure Controls/ Personal Protection

Eye Protection: Safety goggles

Respiratory Protection: None normally required

Ventilation Recommendations: As necessary to prevent breathing of any fumes, dust, or smoke.

Skin Protection: Appropriate gloves to prevent skin contact with molten material during soldering

Other: As necessary to prevent skin contact with molten solder.

## Section 10 – Storage and Handling

Storage: Store in a cool, dry place. Avoid contact with plastics.

Handling: Do not overheat product to beyond 650°C

## Section 11 – Miscellaneous

Toxicological Information: No information available

Transportation Information: Not a DOT Hazardous Material

Other: This material is intended for professional (dental) use only.

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