

Revision Date: 12/9/2009

MATERIAL SAFETY DATA SHEET**Section 1: PRODUCT AND COMPANY IDENTIFICATION****Product Name: ALL 96.5/3.5 (Sn/Ag) SOLDER PASTES**

This MSDS is for all types of solder pastes that use Sn/Ag 96.5/3.5 powder.

FCT Assembly Inc.
1309 N. 17th Ave.
Greeley, CO 80631
USA

Company Phone Number: 970-346-8002

Website: www.fctassembly.com

Emergency Phone Number: 800-535-5053**Section 2: HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

Signal Word: WARNING

Hazard Type: None

Appearance: Grey cream

Color: Grey

Odor: None to slight

Likely Exposure Routes: Eyes, Ingestion, Inhalation, Skin

Exposure Effects

Inhalation: May cause physical discomfort to the respiratory tract.

Eyes: May cause slight irritation.

Ingestion: May cause nausea and vomiting. May cause irritation to the mouth, throat and stomach.

Skin: Prolonged contact may cause mild skin irritation.

Target Organs: Not Determined

Potential Carcinogens as listed by OSHA, IARC, or NTP: NONE

Other Possible Health Effects: See Section 11 for more information.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Environmental Effects: Not Available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Component(s) | CAS Number | Weight Percentage |
|------------------------|------------|-------------------|
| Silver | 7440-22-4 | <5% |
| Tin | 7440-31-5 | >95% |

Revision Date: 12/9/2009

MATERIAL SAFETY DATA SHEET**SECTION 4: FIRST AID MEASURES**

Inhalation: Move to fresh air. Get medical attention if symptoms occur.

Eyes: Immediately flush with water for at least 15 minutes or until the chemical is removed.

Ingestion: If conscious, rinse mouth with water. Seek medical advice on whether to induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

Skin: Wash off immediately with soap and water. If clothing is contaminated, remove and launder before reuse.

Special instructions for physicians: Follow usual and customary procedures

SECTION 5: FIRE FIGHTING MEASURES

Fire fighting measures: Standard procedure for chemical fires.

Fire fighter protection: Vapors and fumes may be irritating and toxic. Firefighters should wear self-contained breathing apparatus and full fire-fighting turnout gear.

Suitable extinguishing media: Carbon dioxide, dry chemical, foam or water spray.

Unsuitable extinguishing media: Not applicable

As with any chemical fire, combustion products of unknown toxicity are always possible.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8.

Containment methods: If possible, stop further leakage of the material. Contain spilled material by diking with non-flammable diking materials.

Clean-Up methods: Absorb spilled liquid in a suitable material. Sweep or vacuum material into disposal containers.

Environmental precautions: This material is a water pollutant. Keep out of drains, sewers, ditches and waterways. Minimize use of water to prevent environmental contamination.

Spill reporting requirements: If the spilled amount is greater than the RQ in section 15, this spill must be reported to the National Response Center.

Section 7: HANDLING AND STORAGE

Handling: Use good industrial practices when handling. Avoid eye, skin, and clothing contact. Do not inhale mist or vapors. Do not taste or swallow. Use only with adequate ventilation.

Storage: Keep container closed when not in use. Avoid elevated and freezing temperatures.

MATERIAL SAFETY DATA SHEET

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Material Name | OSHA | | ACGIH | |
|---------------|----------|------|---------|------|
| | TWA | STEL | TWA | STEL |
| Silver | 0.01 ppm | NE | 0.1 ppm | NE |
| Tin | 2 mg/m3 | NE | 2 mg/m3 | NE |

General Hygiene Considerations: Discard contaminated gloves after use. Have eye-wash facilities in the immediate vicinity. Work in adequately ventilated area. Do not breathe vapors or mist. Minimize any contact with any chemical.

Respiratory Protection: No special respiratory equipment is needed.

Eye/Face Protection: Wear safety glasses when handling this material.

Skin Protection: Wear nitrile or latex gloves. Wear protective clothing.

Engineering Controls: Work in well ventilated areas. Do not breathe vapors or mist.

Other Protective Equipment: Eye wash station and safety shower should be available in immediate work area. Select additional protective equipment based upon potential for exposure.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-------------------|----------------|--------------------------|-----------------|
| Color: | Grey | VOC Percentage: | <2% |
| Physical State: | PASTE | Evaporation Rate: | N/A |
| Odor: | None to slight | Odor Threshold: | Not Determined |
| Melting Point: | 350 F | Coeff. Water/Oil Dist. : | Not Determined |
| Boiling Point: | >700 F | Lower Explosive Limit: | Not Established |
| Specific Gravity: | >5 | Upper Explosive Limit: | Not Established |
| pH: | N/A | Flash Point: | Non Flammable |
| Vapor Pressure: | Not Determined | Solubility: | Insoluble |
| Vapor Density: | Not Determined | | |

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: None known.

Incompatible Materials: None known

Hazardous decomposition products: Not Determined

Possibility of hazardous reactions: None expected.

MATERIAL SAFETY DATA SHEET

SECTION 11. TOXICOLOGY INFORMATION

The toxicological data below is based on the main component(s)

ACUTE EFFECTS

Acute Oral Toxicity: Not Determined
Acute Derma I Toxicity: Not Determined
Acute Inhalation Toxicity: Not Determined
Sensitization: Not a sensitizer
Acute Eye Irritation: Mildly irritating.
Acute Skin Irritation: Mildly irritating.

CHRONIC EFFECTS

Carcinogenicity: None of the components of this product are listed as a carcinogen by IARC, NTP, OSHA, or ACGI
Mutagenicity: Not Determined
Reproductive Effects: Not Determined
Teratogenicity: Not Determined
Synergistic Products: NONE

SECTION 12. ECOLOGICAL INFORMATION

The ecological data below is based on the main component(s)

ACUTE FISH RESULTS:

| Species | Exposure | LC50 |
|----------------|----------|------|
| Not Determined | | |

ACUTE INVERTEBRATE RESULTS:

| Species | Exposure | LC50 | EC50 |
|----------------|----------|------|------|
| Not Determined | | | |

AQUATIC PLANT RESULTS:

| Species | Exposure | LC50/EC50 |
|----------------|----------|-----------|
| Not Determined | | |

Persistence/Degradability: Not determined
Bioaccumulation/Accumulation: Not determined
Mobility in Environment: Not expected to be very mobile.

Revision Date: 12/9/2009

MATERIAL SAFETY DATA SHEET**SECTION 13. DISPOSAL CONSIDERATIONS**

Product is a RCRA Hazardous Waste? NO

Dispose of in accordance with federal, state, and local regulations.

SECTION 14. TRANSPORT INFORMATION

US D.O.T. and Canadian TDG (ground)

Proper Shipping Description:

NON D.O.T. REGULATED

ICAO (air)

Proper Shipping Description: See US D.O.T.

IMDG (water)

Proper Shipping Description: See US D.O.T.

SECTION 15. REGULATORY INFORMATION

FEDERAL REGULATORY INFORMATION

All components are listed in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory:

Title III SARA Section 302Product contains materials subject to reporting under SARA Section 302? **NO**CERCLAProduct contains materials subject to reporting under CERCLA (40 CFR302.4) **YES RQ=1000**Title III SARA Section 313Product contains materials subject to reporting under SARA Section 313? **YES**Resource Conservation and Recovery Act (RCRA)Product is a hazardous waste under RCRA (40 CFR 261.20)? **NO**

STATE REGULATORY INFORMATION

California Proposition 65Product contains materials that are carcinogenic and/or can cause reproductive harm and is subject to warning and discharge requirements under the "Safe Water and Toxic Enforcement Act of 1986": **NO**

WHMIS Canadian Workplace Hazardous Material Information System

WHMIS Classification: Not Applicable

Revision Date: 12/9/2009

MATERIAL SAFETY DATA SHEET**SECTION 16. OTHER INFORMATION**

NFPA 704: National Fire Protection Association

Health: 2 Fire: 0 Reactivity: 0

0 = Minimal hazard, 1 = Slight hazard, 2 = Moderate hazard, 3 = Severe hazard, 4 = Extreme hazard

IMO International Maritime Organization

EmS Code: Not Applicable

Prepared by: Bill Plano (970) 346-8002

The information contained herein is based on data believed to be accurate and is offered at no charge. No warranty is expressed or implied regarding the accuracy of this data. Liability is expressly disclaimed for loss or injury arising out of use of this information or the use of any materials designated. It is the users responsibility for determining whether the product is suitable for its intended conditions of use.