



Material Safety Data Sheet

Section 1 - Product Information

Product Name: **Solder Paste Type 350**

Manufacturer: Qualitek International, Inc.
315 Fairbank Street
Addison, IL 60101, USA

Emergency Telephone Number: 1-800-535-5053
Information Telephone Number: 1-630-628-8083
Fax Number: 1-630-628-6543
Date Prepared: 01/14/99
Supercedes: 04-15-96

Section 2 - Hazardous Ingredients

Hazardous:

<u>Chemical Common Name(s)</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Wt. %</u>	<u>CAS #</u>
**Lead	0.05 mg/m ³	0.15 mg/m ³	*	7439-92-1
Tin	2.00 mg/m ³	2.00 mg/m ³	*	7440-31-5
**Silver	0.01 mg/m ³	0.10 mg/m ³	*	7440-22-4
**Antimony	0.5 mg/m ³	0.5 mg/m ³	*	7440-36-0
Bismuth	N/E	N/E	*	7440-69-9
Modified Rosin	N/E	N/E	<6	65997-05-9
High Boiling Glycol Ether	N/E	N/E	<3	112-73-2

Hazard Rating Systems

HMIS: Health: 2 Flammability: 1 Reactivity: 0 Personal Protection: B
No other hazardous ingredients exceed 1%. Other ingredients are not considered hazardous according to 29 CFR 1910.1200

Section 3 - Physical and Chemical Characteristics

Boiling Point: 221°F (105°C)

Vapor Pressure (mm Hg): 218 @173°F(78°C)

Vapor Density (AIR=1): 0.60

Solubility in Water: Complete

Appearance and Odor: Dark Amber Liquid

Specific Gravity (H₂O = 1 @25°C): 1.000+ 0.006

Melting Point: Not Applicable

Evaporation Rate(Butyl Acetate=1): <1

Section 4 - Fire and Explosion Data

Flash Point: Non flammable

Flammable Limits: LEL Not applicable
UEL Not applicable

Extinguishing Media: Not applicable

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None

Section 5 - Reactivity Data

Stability: Stable Unstable

Incompatibility (Materials to Avoid):

Hazardous Decomposition or Byproducts:

Hazardous Polymerization:

Conditions to Avoid: Not applicable

Strong Bases; Strong Oxidizers

None

May Occur: Will not Occur:

*Composition and weight % of Solder Powder vary widely, and can be determined by product label. Solder powder is typically 85-90% of solder paste composition.

**Subject to reporting requirements of SARA TITLE III, Section 313 and 40 CFR Part 372.

Section 6 - Health Hazards

Route(s) of Entry: Inhalation? Skin? Ingestion?

Acute (Severe Short Term) Health Hazards:

Inhalation of soldering fumes may cause headache, nausea, muscular pain, irritation of eye and nose.

Chronic (Long Term) Health Hazards:

Long term over-exposure to soldering fumes may cause anemia, insomnia, weakness, constipation and abdominal pains, skin rash, damage to mucous membranes.

Carcinogenicity: None according to NTP, IARC, and OSHA.

Signs and Symptoms of Exposure: Irritation of pulmonary system, skin rash

Medical Conditions Generally Aggravated by Exposure: Not determined

Emergency and First Aid Procedures: Perform the following First Aid Procedures; consult a Physician and get proper medical attention when necessary.

Eye Contact: Flush eyes with plenty of water for 15 minutes.

Skin Contact: Wash thoroughly with soap and water.

Inhalation: Remove victim to fresh air.

Ingestion: Drink a lot of water, do not induce vomiting and get proper medical attention

Section 7 - Special Precautions and Spill/Leak Procedures

Steps to be taken in Case Material is Released or Spilled: Cleanup with absorbent materials

Waste Disposal Method: Dispose in accordance with Federal, State, and local regulations.

Precautions to be taken in Handling and Storage: Keep containers closed and upright to prevent leakage.

Other Precautions: Avoid repeated or prolonged breathing of vapors or skin contact.

Section 8 - Special Protection Information / Control Measures

Respiratory Protection: Usually not needed.

Ventilation: Local and/or General ventilation should be used to keep exposures below limits.

Protective Gloves: Chemical resistant gloves recommended.

Eye Protection: Chemical goggles recommended.

Other Protective Clothing or Equipment: As needed to avoid contact.

Work / Hygienic Practices: Wash hands after handling product.

Section 9 - Other Regulatory Information

TSCA: Subject Chemical substance(s) and ingredient(s) are listed on the "TSCA Inventory" of Chemical substances maintained by the U.S. Environmental Protection Agency.

CERCLA: If this product is accidentally spilled, it is not subject to any special reporting requirements of the Comprehensive Environmental Response, Compensation And Liability Act ("CERCLA") Contact Local Authorities to determine if there are any local reporting requirements.

SARA TITLE III: Section 311/312 and Section 313 - This product is not subject to the Emergency Planning and Community Right-To-Know reporting requirements.

DOT: DOT Proper Shipping Name - Not regulated as a Department of Transportation Hazardous Material.

California Proposition 65: This product contains lead, a chemical known to some states to cause cancer and birth defects or other reproductive harm.

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