



**LOW TEMP**

# MAKER PASTE

LEAD-FREE PROTOTYPING SOLDER PASTE

SKU: ICB97110

## Description



Maker Paste Low Temp is a high quality, low cost prototyping solder paste. The new low temperature formula makes it easy to work with and can easily reflow on a hot plate. Since it's premixed, all you need to do is, screw on the tip, squeeze the paste onto your solder pads and heat it up using a solder gun, heat gun, hot plate or any other suitable heat source. It's simple, convenient and best of all, it's made in the USA!

The lead-free metal content is a mix of Bismuth, Tin and Silver. Made with the highest quality standards in the industry (ISO 9001).

This product does not need to be refrigerated prior to opening, but for longest life and best performance, we recommend keeping it in cool location (~50°F) and refrigerating after opening.

*IC Breakout, LLC certifies that this product meets RoHS requirements.*

**Note:** Maker Paste is not water soluble. We recommend using Isopropyl Alcohol for cleanup.



## Technical Details

- ~10 grams
- Bi57 42Sn Ag1
- Liquidus at 140°C (284°F)

## Additional Features

- Lead-Free
- No-clean
- Clear residue
- Premixed, ready to use

## Safety



**EMERGENCY PHONE:**  
**CHEMTREC 24 hrs.**  
**USA: 1 (800) 424-9300**  
**Outside USA: +1 (703) 527-3887**

Signal Word: Warning

**Hazard statement(s)**

H317 May cause an allergic skin reaction  
H319 Causes serious eye irritation  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled  
EUH208 Contains rosin. May produce an allergic reaction

**Precautionary statement(s)**

P233 Keep container tightly closed  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray  
P270 Do not eat, drink or smoke when using this product  
P273 Avoid release to the environment  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P362 Take off contaminated clothing and wash before reuse  
P301 + P314 IF SWALLOWED: Get Medical advice/attention if you feel unwell  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water  
P304 + 341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing  
P305 + 351 IF IN EYES: Rinse continuously with water for several minutes (15 mins)

#### POTENTIAL HEALTH EFFECTS:

**Eye Contact:** Contact with material at room temperature or fume from material at typical re-flow temperatures over 100°C may cause eye irritation.

**Ingestion:** This product contains metal alloy powders and organic chemicals. Harmful if swallowed. May cause burns to the digestive tract.

**Inhalation:** Vapors or fumes from this material at typical re-flow temperatures over 100°C may cause local irritation to the respiratory system. Harmful if inhaled. Inhalation of rosin fume may cause occupational asthma.

**Skin Contact:** May cause skin irritation. Rosin may cause dermatitis and skin sensitization.

**Chronic:** SILVER: Chronic skin contact or ingestion of silver powder, salts or fume can result in a condition known as Argyria, a condition with bluish pigmentation of the skin and eyes.

TIN: Has been shown to increase incidence of sarcoma in animal tests.

BISMUTH: May cause kidney damage.

**NOTE: IC Breakout, LLC does not recommend, manufacture, market or endorse any of its products for human consumption**

#### FIRST AID MEASURES:

**Eye Contact:** Hold eyelids apart and flush eyes with plenty of tepid water for at least 15 minutes. Seek medical attention if irritation persists.

**Ingestion:** If patient is conscious, ONLY induce vomiting as directed by trained personnel. NEVER give anything by mouth to an unconscious person. Seek medical attention immediately.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration or oxygen by trained personnel. Seek immediate medical attention.

**Skin Contact:** Remove contaminated clothing. Wash affected area with soap and water. Wash clothing before reuse. If irritation persists, obtain medical attention.

#### HANDLING:

**Handling Precautions:** Keep containers tightly closed when not in use. Use care to avoid spills. Use only with production equipment specifically designed for use with solder paste. Wear appropriate personal protective equipment when working or handling solder paste. Always thoroughly wash your hands after handling this product. DO NOT touch or rub eyes until hands are washed.

**PHYSICAL AND CHEMICAL PROPERTIES:**

<b>Appearance:</b>	Grey colored paste.	<b>Boiling Point:</b>	Not applicable.
<b>Odor:</b>	Mild characteristic odor.	<b>Melting Point:</b>	Not applicable
<b>Specific Gravity:</b>	1 g/cc	<b>pH:</b>	4-8 (flux)
<b>Vapor Pressure:</b>	Not applicable.	<b>Solubility in Water:</b>	Insoluble (paste)

**STABILITY AND REACTIVITY:**

<b>General:</b>	Stable.
<b>Conditions to Avoid:</b>	Not established.
<b>Incompatible Materials:</b>	Avoid contact with acids, bases or oxidizing agents.
<b>Hazardous Decomposition / Combustion:</b>	Harmful organic fumes and toxic oxide fumes may form at elevated temperatures.
<b>Hazardous Polymerization:</b>	Will not occur.

**DISPOSAL CONSIDERATION:**

**Waste Disposal Method:** Scrap metal alloy usually has value. Contact a commercial reclaimer for recycling. Otherwise, dispose of in accordance with all Federal, State and Local environmental regulations. In Europe follow the Special Waste Regulations.

**OTHER INFORMATION:**

<b>HMIS Hazard Rating:</b>	<b>Health:</b>	2
	<b>Fire:</b>	1
	<b>Physical Hazards:</b>	0