

# Material Safety Data Sheet

<b>Revision Date</b> January 2, 2008	<b>Prepared by</b> Patti Rogers	<b>Technical Information</b> 1-800-201-8822 or <a href="mailto:support@mgchemicals.com">support@mgchemicals.com</a>
<b>Head Office</b> 9347 - 193 Street, Surrey, B.C., V4N 4E7		<b>Emergency</b> Phone Canutech (613) 996-6666 Collect 24 hrs

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## Section 1: Product Identification

**MSDS Code: 4910**

**Name: Tip Tinner**

**Related Part Numbers: 4910-28G**

Use: Tinning solder tips

## Section 2: Hazardous Ingredients

CAS#	Chemical Name	Percentage by weight	ACGIH TWA	Osha Pel	Osha Stel
7440-50-8	Copper	< 1.0	0.2 mg/m <sup>3</sup>	0.20 mg/m <sup>3</sup>	N/e
7440-22-4	Silver	2 - 3	1mg/m <sup>3</sup>	1mg/m <sup>3</sup>	N/e
7440-31-5	Tin	92-96	2.00 mg/m <sup>3</sup>	2.00 mg/m <sup>3</sup>	N/e

## Section 3: Hazards Identification

**WHMIS Codes:** n/a

**NFPA Ratings:** Health 1 Flammability 0 Reactivity 0

**HMIS Ratings:** Health 1 Flammability 0 Reactivity 0

**Eyes:** Fumes may cause eye irritation.

**Skin:** Fumes may cause skin irritation.

**Inhalation:** Inhalation of the fumes from this or other soldering products may cause headache, nausea, and muscular pain.

**Ingestion:** Ingestion of the fumes from this or other soldering products may cause headache, nausea, and muscular pain.

**Chronic:** Prolonged or repeated exposure due to ingestion may cause anemia, insomnia, weakness, constipation and abdominal pain.

## Section 4: First Aid Measure

**Eyes:** **MOLTEN PRODUCT:** Cool burns with plenty of low-pressure water. Get immediate medical attention. **SOLID PRODUCT:** Remove any contact lenses. Immediately flush eyes with large quantities of water for at least 15 minutes. Get medical attention if irritation develops.

**Skin:** **MOLTEN PRODUCT:** Immediately cool skin burns with water and cold packs for at least 15 minutes. Do not put ice directly on the skin. Do not attempt to remove solidified product from the skin, as damage may result. Get immediate medical attention. **SOLID PRODUCT:** Immediately wash skin with soap and copious amounts of water. Use lotion to prevent dryness. Get medical attention if irritation develops.

**Inhalation:** If symptoms of overexposure are experienced, evacuate to fresh air. If symptoms persist, seek medical attention.

**Ingestion:** If person is conscious, immediately give 2 glasses of water. Do not induce vomiting. Get immediate medical attention.

### Section 5: Fire Fighting Measures

**Autoignition Temperature:** N/a                      **Flash Point:** N/a                      **LEL / UEL:** N/e  
**Extinguishing Media:** Alcohol foam, carbon dioxide, or dry chemical  
**General Information:** Closed containers may explode when exposed to fire conditions.

### Section 6: Accidental Release Measures

**Spill Procedure:** If the material is in its solid state, pick up and reuse. When molten, allow to solidify, and the reuse if it is not contaminated. If contaminated, refer to section 13 for disposal information.

### Section 7: Handling and Storage

**Handling:** Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not ingest or inhale. Do not expose container to heat or flame.  
**Storage:** Keep away from sources of ignition. Store in a cool, dry, well-ventilated area, away from incompatible substances.

### Section 8: Exposure Controls

**Routes of entry:** Eyes, ingestion, inhalation, and skin.  
**Ventilation:** Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.  
**Personal Protection:** Wear appropriate protective eyeglasses or chemical safety goggles. Wear appropriate protective clothing to prevent skin contact. Use a NIOSH approved respirator when necessary.

### Section 9: Physical and Chemical Properties

<b>Physical State:</b>	Solid	<b>Odor:</b> None	<b>Solubility:</b> Partially	<b>Evaporation Rate:</b> N/e
<b>Boiling Point:</b>	1380°C	<b>Specific Gravity:</b> 5.9-7.0	<b>Vapor Pressure:</b> 1mmHg @860°C	<b>Vapor Density:</b> N/e <b>pH:</b> N/a

### Section 10: Stability and Reactivity

**Stability:** Stable under ordinary use and storage conditions.  
**Incompatibilities:** Strong acids and strong oxidizers should be avoided  
**Polymerization:** Will not occur under normal use and storage conditions.  
**Decomposition:** May emit fumes of carbon monoxide and carbon dioxide.

### Section 11: Toxicological Information

**Sensitization:** (effects of repeated exposure) No  
**Carcinogenicity:** (risk of cancer) No  
**Teratogenicity:** (risk of malformation in an unborn fetus) No  
**Reproductive Toxicity:** (risk of sterility) No  
**Mutagenicity:** (risk of inheritable genetic effects) No

<b>Lethal Exposure Concentrations:</b>	<b>Ingestion (LD50):</b> N/e	<b>Inhalation (LC50):</b> N/e	<b>Skin (LD50):</b> N/e
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## Section 12: Ecological Information

**General Information:** No information on ecological toxicity or biodegradability is available at this time.

**Environmental Impact Data:** (percentage by weight)

CFC: 0

HFC: 0

Cl.Solv: 0

VOC: 0

HCFC: 0

ODP: 0

## Section 13: Disposal Information

**General Information:** Dispose of this material, contaminated absorbent material and other contaminated materials in an approved waste disposal facility, according to all applicable Federal, State / Provincial, and Local regulations. Recovery and reuse, rather than disposal, should be the ultimate goal in handling efforts.

## Section 14: Transportation Information

**Ground:**

Non-regulated

**Air:**

Non-regulated

**Sea:**

Non-regulated

## Section 15: Regulatory Information

**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.**

**SARA** (Superfund Amendments and Reauthorization Act of 1986, USA, 40 CFR 372.4)

This product contains, Copper (< 1.0%) CAS# 7440-50-8, Silver (2 – 3%) CAS #7440-22-4 toxic chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

**TSCA** (Toxic Substances Control Act of 1976, USA)

This product contains, Copper (< 1.0%) CAS# 7440-50-8, Silver (2 – 3%) CAS #7440-22-4 toxic chemicals subject to the reporting requirements.

**CAA** (Clean Air Act, USA)

This product does not contain any class 1-ozone depletors.

This product does not contain any class 2-ozone depletors.

This product does not contain any chemicals listed as hazardous air pollutants.

**California Proposition 65** (Chemicals known to cause cancer or reproductive toxicity, May 1, 1997 revision, USA)

N/A

**Health Canada**

Labeling and containers used in this product are listed in compliance with Consumer Chemicals and Container regulations.

**Environment Canada**

Chemicals in this product are listed on the Domestic Substances List in the Canadian Environmental Protection Act

This product does not contain any ozone depleting substances.

**Industry and Science Canada**

Labeling, product identity, net quantity declaration, minimum printing type size heights, and packaging of this product is in compliance with the Consumer Packaging and Labeling Act and Regulations. This product is not slack filled in accordance to chapter 4 prohibitions.



**RoHS** (The restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2004).

This product is RoHS compliant.

## Section 16: Other Information

**Definitions:** N/a = not applicable, n/e = not established

**Disclaimer:** This material safety data sheet is provided as an information resource only. M.G. Chemicals believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to verify its validity. The buyer assumes all responsibility of using and handling the product in accordance with federal, state, and local regulations.