

# Material Safety Data Sheet

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## Section 1: Product Identification

**MSDS Code: 4900**

**Name: Lead Free Solder**

**Related Part Numbers: 4900-35G, 4900-112G, 4900-227G, 4900-454G**

Use: Soldering

## Section 2: Hazardous Ingredients

CAS#	Chemical Name	Percentage by weight	ACGIH TWA	Osha Pel	Osha Stel
7440-50-8	Copper	0.3 – 0.7	0.2 mg/m <sup>3</sup>	0.20 mg/m <sup>3</sup>	N/e
7440-31-5	Tin	91 - 97	2.00 mg/m <sup>3</sup>	2.00 mg/m <sup>3</sup>	N/e
7440-22-4	Silver	2.7 – 4.2	0.10 mg/m <sup>3</sup>	0.10 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 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:**

**Shipper must be trained and certified. Refer to IATA Dangerous Goods Regulations.**

**UN Number:** None

**UN Pack Group:** Not applicable

**UN Class:** Non Hazardous

**ICAO/IATA:** Non Hazardous

**Shipping Name:** Non Hazardous

**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)

Reportable ingredients: Silver CAS# 7440-22-4, Copper CAS# 7440-50-8

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

All substances are TSCA listed or exempt from listing.

**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)

When used for soldering and similar applications chemicals may be produced which are known to some states to cause birth defects or other reproductive harm.

**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.



## Section 15: Regulatory Information Cont.

### 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.