

Material Safety Data Sheet

Section 1 - Product Information

Product Name: **Q-Bar Solder Bar**

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

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Supercedes: 09/29/97

Section 2 – Ingredients / Identity

Hazardous

<u>Chemical Common Name(s)</u>	<u>OSHA PEL</u>	<u>ACGHIH 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

Hazard Rating Systems

HMIS: Health: 2 Flammability: 0 Reactivity: 0 Personal Protection: X

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: >3000°F

Vapor Pressure (mm Hg): N/D

Vapor Density (AIR²=1): N/A

Solubility in Water: Insoluble

Appearance and Odor: Metallic Gray Bar with Mild Odor

Specific Gravity (H₂O = 1): 7.3 to 10.8

Melting Point: (Of Alloy): Refer to Technical Bull.

Reactivity in Water: None

Section 4 - Fire and Explosion Data

Flash Point: >240°F

Auto Ignition Temperature: >440°F

Special Fire Fighting Procedures: SCBA with full face piece and protective clothing is recommended, if this material is in the vicinity of fire.

Unusual Fire and Explosion Hazards: None Known

Flammable Limits in Air % by Volume:

LEL Lower: N/E

UEL Upper: N/E

Section 5 - Reactivity Data

Stability: Stable

Unstable

Conditions to Avoid:

None

Incompatibility (Materials to Avoid): Strong Acids, Strong Oxidizers

Hazardous Decomposition or By Products: May release toxic vapor/gases such as Carbon Monoxide, Carbon Dioxide

Hazardous Polymerization: May Occur Will not Occur Conditions to Avoid: N/A

*Composition and weight % of Solder vary widely, and can be determined by product label.

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

Section 6 – Health Hazards

Acute (Severe Short Term) Health Hazards:

Inhalation of fumes or ingestion may cause headache, nausea, muscular pain, irritation of eye and nose may result from contact with soldering fumes.

Chronic (Long Term) Health Hazards:

Anemia, insomnia, weakness, constipation and abdominal pain due to ingestion, skin rash, damage to mucous membrane due to skin exposure and inhalation.

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

Medical Conditions Generally Aggravated by Exposure: Pre-existing conditions of the lungs, diseases of the blood and blood forming organs; kidneys, nerves and possibly reproductive systems.

Carcinogenicity: Not listed as a carcinogen by NTP, OSHA, ACGIN: IARC classifies lead and its compounds as a Group 2B carcinogen (possibly carcinogenic to humans).

Emergency and First Aid Procedures: Perform the following First Aid Procedures; consult a Physician and get proper medical attention when necessary, in case of contact with smoke from soldering or repeated skin contact.

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

Skin Contact: Wash thoroughly with soap and water; use lotion to prevent dryness. If molten solder comes in contact with skin cool with water.

Inhalation: Remove person 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

Handling and Storage: Do not store or use near spark or flame. Keep containers closed tightly and upright to prevent leakage.

If Material is Released or Spilled: In solid state, pick-up & reuse. When molten, let solidify and reuse, if not contaminated, if contaminated dispose of property.

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

Other Precautions: Avoid repeated or prolonged breathing of vapor or skin contact; wash hands immediately, remove paste from under finger nails.

Section 8 – Special Protection Information / Control Measures

Respiratory Protection: Usually not required. When ventilation is not adequate to remove smoke (during soldering) from breathing zone a cartridge type respirator should be used.

Ventilation & Local Exhaust: As required keep PEL & TLV below the limit

Protective Gloves: Neoprene or rubber

Eye Protection: Splash guard goggles.

Other Protective Equipment: Not required.

Work / Hygienic Practices: Wash hands after handling product, avoid prolonged or repeated contact with skin or breathing fumes and vapors.

Section 9 – Other Regulatory Information

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

SARA TITLE III: Section 311/312 – This product is classified into the following hazard categories: Delayed Health. **Section 313** – The following toxic chemical is subject to the Community Right-To-Know reporting requirements: Lead, CAS#7439-92-1; Silver, CAS #7440-22-4; Antimony, CAS#7440-36-0. Weight percentages can be determined by product label.

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

DOT: DOT proper Shipping Name- Not regulated by DOT

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