

# SAFETY DATA SHEET



Date Prepared : 08/02/2010

SDS No : WSW-Sn60

Date Revised : 08/21/2017

Revision No : 4

## Delta® Solid Solder Wire - Sn60/Pb40

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Delta® Solid Solder Wire - Sn60/Pb40

**PRODUCT DESCRIPTION:** Leaded Solder Wire

#### MANUFACTURER

Qualitek International, Inc.  
315 Fairbank Street  
Addison, IL 60101

**Emergency Phone:** (800)535-5053

**Customer Service:** (630)-628-8083

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

1-800-535-5053 Infotrac

1-352-323-3500 Outside the U.S.

### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

##### Health:

Target Organ Toxicity (Repeated exposure), Category 1  
Reproductive Toxicity, Category 1

#### GHS LABEL



Exclamation  
mark



Health  
hazard



Environment

**SIGNAL WORD:** DANGER

#### HAZARD STATEMENTS

H372: Causes damage to organs ( state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

H360: May damage fertility or the unborn child (state specific effect if known)(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

H411: Toxic to aquatic life with long lasting effects.

#### PRECAUTIONARY STATEMENT(S)

##### Prevention:

P264: Wash hands thoroughly after handling.

##### Response:

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P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor/physician if you feel unwell.

### Disposal:

P501: Dispose of contents/container in accordance to local/regional/national/international regulations.

### POTENTIAL HEALTH EFFECTS

**EYES:** Fumes from this and other soldering products may cause eye irritation.

**SKIN:** Fumes from this and other soldering products may cause skin irritation.

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

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

**CARCINOGENICITY:** Not listed as a carcinogen by NTP, OSHA, or ACGIH.

**MEDICAL CONDITIONS AGGRAVATED:** Pre-existing conditions of the lungs, kidneys, nervous system and possibly reproductive systems; diseases of the blood forming organs

**ROUTES OF ENTRY:** Inhalation, ingestion, eye or skin contact.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Tin	59.5 - 60.5	7440-31-5
Lead	39.5 - 40.5	7439-92-1

### 4. FIRST AID MEASURES

**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.

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

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

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**SKIN:** Discomfort or rash.

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**INHALATION:** Irritation of the pulmonary system.

**CHRONIC EFFECTS:** Prolonged or repeated exposure due to ingestion may cause anemia, insomnia, weakness, constipation and abdominal pain. Prolonged or repeated exposure due to skin exposure and inhalation may cause skin rash and damage to the mucous membranes.

**COMMENTS:** If victims of chemical over-exposure are taken for medical attention, give a copy of the label or this SDS to the physician/health care professional.

### 5. FIRE FIGHTING MEASURES

**EXPLOSION HAZARDS:** None known.

**FIRE FIGHTING EQUIPMENT:** Self contained breathing apparatus with full face piece operated in positive pressure demand mode, appropriate turn-out gear and chemical resistant personal protective equipment is recommended.

### 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES:** If the material is in its solid state, pick up and reuse. When molten, allow to solidify, and then reuse if it is not contaminated. If contaminated, refer to Section 13 for proper disposal procedures.

**RELEASE NOTES:** Avoid repeated or prolonged breathing or skin contact. Wash hands immediately, and remove material from under the fingernails.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Do not store or use near sparks or open flames. Keep containers tightly closed and upright when not in use in order to prevent leakage.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** General (mechanical) room ventilation is expected to be satisfactory where this product is stored and handled and in closed equipment. Special local ventilation is needed at points where vapors can be expected to escape into the workplace air.

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Face shield, safety glasses with side shield or chemical splash goggles. When working with molten material, face shield is recommended.

**SKIN:** Rubber, chemical resistant gloves. When material is heated, wear gloves to protect against thermal burns.

**RESPIRATORY:** Not normally needed in well ventilated areas. If the ventilation is insufficient to remove smoke from soldering processes, use NIOSH/MSHA approved cartridge type respirator.

**PROTECTIVE CLOTHING:** Protective clothing and safety shoes as necessary to minimize contact.

**WORK HYGIENIC PRACTICES:** Good personal hygiene practices should be used. Wash after any contact,

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before eating, and at the end of the work period.

**OTHER USE PRECAUTIONS:** Eye wash station and quick drench safety shower in immediate work area.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**ODOR:** Mild.

**APPEARANCE:** Metal in wire form.

**COLOR:** Metallic gray.

**FLASH POINT AND METHOD:** N/A

**FLAMMABLE LIMITS:** N/A

**AUTOIGNITION TEMPERATURE:** N/A

**VAPOR PRESSURE:** Not Determined

**VAPOR DENSITY:** Not Applicable

**BOILING POINT:** > 1650°C (3000°F)

**MELTING POINT:** 183°C (361.4°F) to 188°C (370.4°F)

**SOLUBILITY IN WATER:** Insoluble

**DENSITY:** 0.3068 lb./in.3

**SPECIFIC GRAVITY:** 8.5

### 10. STABILITY AND REACTIVITY

**HAZARDOUS POLYMERIZATION:** Will not occur.

**STABILITY:** Stable under ordinary use and storage conditions.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

**INCOMPATIBLE MATERIALS:** Strong acids and strong oxidizers should be avoided..

### 11. TOXICOLOGICAL INFORMATION

**GENERAL COMMENTS:** No toxicological information available at this time.

### 12. ECOLOGICAL INFORMATION

**GENERAL COMMENTS:** No information on ecological toxicity or biodegradability is available at this time.

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of this material, contaminated absorbent material and other contaminated materials in an approved waste disposal facility, according to all applicable Federal, State, and Local regulations.

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Recovery and reuse, rather than disposal, should be the ultimate goal in handling efforts.

### 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Not regulated by DOT

### 15. REGULATORY INFORMATION

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** Chronic health hazard.

**313 REPORTABLE INGREDIENTS:** Lead CAS# 7439-92-1 (weight percentage can be determined from product label)

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA STATUS:** All ingredients are listed or are exempt from listing (as polymers) on the Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**CALIFORNIA PROPOSITION 65:** The following components are known to the State of California to cause cancer and/or reproductive toxicity and subject to warning and discharge requirements under the "Safe Drinking Water and Toxic Enforcement Act of 1986.": Lead CAS# 7439-92-1

### 16. OTHER INFORMATION

**REASON FOR ISSUE:** New format

**APPROVED BY:** P. Han    **TITLE:** Technical Director

**PREPARED BY:** J. Saleda-Layton    **Date Revised:** 08/21/2017

**INFORMATION CONTACT:** (630) 628-8083

**REVISION SUMMARY:** This SDS replaces the 07/30/2015 SDS.

#### HMIS RATING

<b>HEALTH</b>	<input type="checkbox"/>	<b>2</b>
<b>FLAMMABILITY</b>	<input type="checkbox"/>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<input type="checkbox"/>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<input checked="" type="checkbox"/>	<b>X</b>

**MANUFACTURER DISCLAIMER:** The information contained herein is based upon data considered to be accurate and is offered solely for information, customer consideration and investigation. The manufacturer extends

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no warranties, makes no representations and assumes no responsibility as to the accuracy, completeness or suitability of this data for any purchaser's use. The content of this Safety Data Sheet relates only to this product as sold and does not relate to use with any other material or in any process. All chemical products should be used only by, or under, the direction of technically qualified personnel, who are aware of the hazards involved and of the necessity for reasonable care in handling. Hazard communication regulations, United States Occupational Health and Safety (OSHA) and Canadian Workplace Hazardous Materials Information System (WHMIS) require that employees must be trained in the use of Safety Data Sheets as a source of hazards information and response.