

SAFETY DATA SHEET



Date issued : 02/15/2010
SDS number : 670I (Sn63/Pb37)
Date revised : 06/30/2023
Revision number : 6

Delta® No Clean Solder Paste Type 670I - Sn63/Pb37

1. Identification

Product identifier: Delta® No Clean Solder Paste Type 670I - Sn63/Pb37

Product description: No Clean Solder Paste

Manufacturer / Supplier

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

Emergency Phone: (800)535-5053

Customer Service: (630)-628-8083

Emergency telephone number (24 hour)

1-800-535-5053 Infotrac

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

2. Hazard identification

Classification of the substance or mixture

Health hazards:

Target Organ Toxicity (Repeated exposure), Category 1

Reproductive Toxicity, Category 1

Eye Irritation, Category 2A

Label elements



Health
hazard



Exclamation
mark

Signal word: DANGER

Hazard statement(s)

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).

H319: Causes serious eye irritation.

Precautionary statement(s)

Prevention:

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P270: Do not eat, drink or smoke when using this product.

P273: Avoid release to the environment.

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Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

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

P391: Collect spillage.

Storage:

P405: Store locked up.

Disposal:

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

Potential health effects

Eye: 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. IARC classifies "lead and its compounds" as a Group 28 Carcinogen (possibly carcinogenic to humans).

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	% w/w	CAS No.
Tin*	56.2 - 57.2	7440-31-5
Lead*	32.8 - 33.8	7439-92-1
Triethylene Glycol Monobutyl Ether	< 2	143-22-6

4. First-aid measures

Eye: 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

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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.

Most important symptoms and effects, both acute and delayed

Skin: Discomfort or rash.

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

Suitable extinguishing media: Carbon dioxide, dry chemical, or alcohol-type foam.

Explosion hazards: Closed containers may explode when exposed to fire conditions.

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: Scoop up material and deposit in appropriate containers. Clean up residual spill area with isopropanol or detergent water.

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

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Exposure controls

Control parameters				
Occupational exposure limit values				
Chemical name	Type		ppm	mg/m ³
Tin*	OSHA PEL	TWA	NL ppm ^[1]	2.00 mg/m ³ ^[1]
		STEL	NL ppm	NL mg/m ³
	ACGIH TLV	TWA	NL ppm	2.00 mg/m ³
		STEL	NL ppm	NL mg/m ³
	Supplier OEL	TWA	NL ppm	NL mg/m ³
		STEL	NL ppm	NL mg/m ³
Lead*	OSHA PEL	TWA	NL ppm ^[1]	0.05 mg/m ³ ^[1]
		STEL	NL ppm	NL mg/m ³
	ACGIH TLV	TWA	NL ppm	0.15 mg/m ³
		STEL	NL ppm	NL mg/kg
	Supplier OEL	TWA	NL ppm	NL mg/m ³
		STEL	NL ppm	NL mg/m ³

Footnotes:
 1. NL = Not Listed

Appropriate 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.

Individual protection measures, such as personal protective equipment

Eye / face protection: Face shield, safety glasses with side shield or chemical splash goggles. When working with molten material, face shield is recommended.

Skin protection - hand protection: Rubber, chemical resistant gloves. When material is heated, wear gloves to protect against thermal burns.

Respiratory protection: 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.

Skin protection - other: Protective clothing and safety shoes as necessary to minimize contact.

Occupational hygiene practices: Good personal hygiene practices should be used. Wash after any contact, before

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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

Appearance: Paste
Color: Metallic gray
Odor: Mild
Melting point: 183°C (361.4°F)
Initial boiling point and boiling range: 300°C (572°F) (vehicle)
Flash point: > 98.3°C (209°F)
Lower explosion limit / flammability limit: Not Established
Vapor pressure: Not Determined
Relative vapor density: Not Determined
Relative density: 8.4 to 8.42 (water=1)
Solubility: Partially Soluble
Auto-ignition temperature: > 227°C (440°F)

10. Stability and reactivity

Dangerous polymerization: Will not occur under normal use and storage conditions.
Chemical stability: Stable under ordinary use and storage conditions.
Hazardous decomposition products: May emit toxic fumes of carbon monoxide and carbon dioxide.
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

Other adverse effects: No information on ecological toxicity or biodegradability is available at this time.

13. Disposal considerations

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

14. Transport information

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USA Department of Transport Regulations (DOT)

UN proper shipping name: Not regulated by DOT

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

311/312 Health hazards: Chronic health hazard.

313 reportable ingredients: This product may contain one or more of the following: Lead CAS# 7439-92-1, Silver CAS# 7440-22-4, or Antimony CAS# 7440-36-0. Exact weight percentages can be determined from the product label.

EPCRA Section 313 Toxic Chemicals

Chemical name	% w/w	CAS No.
Lead*	32.8 - 33.8	7439-92-1

TSCA (The Toxic Substances Control Act)

Chemical name	CAS No.
Lead*	7439-92-1

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

Chemical name	% w/w	Listed
Lead*	32.8 - 33.8	<ul style="list-style-type: none"> • Cancer • Developmental Toxicity • Female Reproductive

16. Other information

Reason for issue: New format

Approved by: P. Han **Title:** Technical Director

Prepared by: Dinesh Amin **Date revised:** 06/30/2023

Information contact: (630) 628-8083

Revision summary: This SDS replaces the 08/07/2017 SDS. Revised: **Section 1:** Prepared by, Title. **Section 2:** Classification of the substance or mixture, Label elements, Precautionary statement(s).

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HMIS rating

Health	<input type="checkbox"/>	2
Flammability	<input type="checkbox"/>	1
Physical hazard	<input type="checkbox"/>	0
Personal protection	<input type="checkbox"/>	B

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