

# SAFETY DATA SHEET

**Date Issued :** 4/15/2004  
**MSDS No :** Tip Tinner  
**Date Revised :** 4/30/2015  
**Revision No :** 4

## Tip Tinner (Sn63/Pb37)

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Tip Tinner (Sn63/Pb37)

**PRODUCT DESCRIPTION:** Tip Tinner

#### MANUFACTURER

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

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

**Service Number:** (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



Health  
hazard



Exclamation  
mark

#### SIGNAL WORD: DANGER

#### HAZARD STATEMENTS

H372: Causes damage to organs [or 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].

#### PRECAUTIONARY STATEMENT(S)

##### Prevention:

P264: Wash hands thoroughly after handling.

##### Response:

P301+A2317: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

##### Disposal:

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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. 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	Wt. %	CAS
Tin	46.7 - 47.7	7440-31-5
Lead	27.3 - 28.3	7439-92-1
Monoammonium Phosphate	< 25	7722-76-1

### 4. FIRST AID MEASURES

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**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.

### 5. FIRE FIGHTING MEASURES

**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:** Extinguish all sources of ignition. If product is not contaminated, scoop into clean

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containers for use. If product is contaminated, scoop into containers and dispose appropriately.

**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, 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:** Powder.

**COLOR:** Metallic gray.

**FLASH POINT AND METHOD:** None

**FLAMMABLE LIMITS:** Not Established

**AUTOIGNITION TEMPERATURE:** Not Determined

**VAPOR PRESSURE:** Not Determined

**VAPOR DENSITY:** Not Determined

**BOILING POINT:** 730°C (1346°F) (vehicle)

**MELTING POINT:** 183°C (361.4°F)

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**SOLUBILITY IN WATER:** Partially Soluble

**SPECIFIC GRAVITY:** 8.4 to 8.42 (water=1)

### 10. STABILITY AND REACTIVITY

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

**POLYMERIZATION:** Will not occur.

**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

**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. 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:** Acute health, chronic health and fire hazard.

**313 REPORTABLE INGREDIENTS:** This product may contain one or both of the following: Lead CAS# 7439-92-1 or Silver CAS# 7440-22-4. Exact weight percentages can be determined from the product label.

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA REGULATORY:** Not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

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**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

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

**REVISION SUMMARY:** This MSDS replaces the 2/13/2013 MSDS. Revised: **Section 1:** APPROVED BY, 24 HR. EMERGENCY TELEPHONE NUMBERS, PREPARED BY, TITLE. **Section 2:** . **Section 3:** Wt.%. **Section 4:** COMMENTS, EYES, INGESTION, INHALATION, SIGNS AND SYMPTOMS OF OVEREXPOSURE ( SKIN ), SKIN. **Section 9:** MELTING POINT, SPECIFIC GRAVITY. **Section 14:** SHIPPING NAME.

#### HMIS RATING

<b>HEALTH</b>	<input type="checkbox"/>	<b>2</b>
<b>FLAMMABILITY</b>	<input type="checkbox"/>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<input type="checkbox"/>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<input checked="" type="checkbox"/>	<b>X</b>

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