



# MATERIAL SAFETY DATA SHEET

Tip Tinner

Date Issued October 1, 2010

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1900, 1200 Standard must be consulted for specific requirements.

### U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form) Form Approved  
OMB No. 1218-0072

**Note:** Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

**PRODUCT NAME:** Tip Tinner, P/N TIP-T or TIP-2

**PRODUCT DESCRIPTION:** Tinning or solder coating soldering iron tips.

### MANUFACTURER

Kleen Concepts  
8551 East Anderson Drive, Suite 108  
Scottsdale, AZ 85255

**Emergency Contact** 1-888-860-7424  
**Service Number** 1-888-860-7424

## 2. COMPOSITION INFORMATION ON INGREDIENTS

*NA-Not Applicable NE- Not Established*

Hazardous Ingredients (1% or greater carcinogens 0.1% or greater)	WT.%	C.A.S Number	OSHA PEL	ACGIH TIV	Other Limits Recommended	%Optional
Tin	34	7440-31-5	2.0MG/M3	2.0MG/M3	NA	50
Ammonium Phosphate	47	7722-76-1	NE	NE	NA	NE
Diamonium Phosphate	12	7783-28-0	NE	NE	NA	NE
<b>Non-Hazardous Ingredients</b>						
Surfactant	<1	7757-82-6, 7732-18-5, 91-20-3				



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### 3. HAZARDOUS IDENTIFICATION INFORMATION

**Emergency Overview:** Hot solder can irritate and burn skin and eyes

**Potential Health Effects:**

**Inhalation:** Fumes during use may cause irritated mucous membrane and respiratory system

**Eyes:** May cause eye irritation

**Skin:** May cause mild skin irritation on prolonged contact

**Ingestion:** May be harmful if swallowed

**Health Hazards (Acute and Chronic):**

Fumes Emitted During use can cause headache and irritation of Mucous Membranes in the eyes and Respiratory System

**Primary Routes of Entry:** \_\_\_Skin X Eyes X Inhalation X Ingestion

**Carcinogenicity:** \_\_\_NTP \_\_\_OSHA \_\_\_IARC \_\_\_ACGH X Not Listed

**Medical Conditions Generally Aggravated by Exposure:** Chemical hypersensitivity can cause asthma and respiratory conditions

### 4. FIRST AID MEASURES

**Eyes:** Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

**Skin:** Wash with soap and water. Get medical attention if irritation develops or persists. Remove contaminated clothing.

**Ingestion:** If swallowed, do not induce vomiting. If conscious and alert, give two glasses of water. Seek medical attention.

**Inhalation:** If exposed to excessive levels of dusts or fumes remove and get medical attention if cough or other symptoms develop.

### 5. FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	<b>Flammable Limits</b>	<b>LEL</b>	<b>UEL</b>
<u>NONE</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

**Extinguishing Media:** Dry Chemical or Equivalent Type Suitable for Metal Type Fires

**Special Fire Fighting Procedures:** If Tin is involved in Fire, Use Full Protective Clothing and NIOSH/MSHA. Approx Self Contained Breathing Apparatus Operated in Positive Pressure Mode.

**Unusual Fire and Explosion Hazards:** NONE



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## 6. ACCIDENTAL RELEASE MEASURES

**General Procedures:** Scoop or sweep up material and place in disposal container.

**Steps to Be Taken in Case Material is Released or Spilled:** Scoop or sweep up material and place in disposal container.

**Waste Disposal Method:** According to Local Regulations, Tin May Have Value on Recycle Basis if disposed of in a Permitted Disposal Site in Accordance with all Federal, State and Local Disposal Regulations

**General Comments:** Dispose of in a manner consistent with federal, state, and local regulations.

## 7. PRECAUTIONS FOR SAFE HANDLING AND USE

**Storage:** Store in a cool place in original Container, protect from direct sunlight.

**Storage Pressure:** Store at local atmospheric pressure.

**Precautions to Be Taken in Handling and Storing:** Avoid Temperatures >110F

**Other Precautions:** Avoid Breathing Fumes Generated During Use.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Respiratory Protection:** Usually not required but when ventilation is not adequate a safety approved respirator or self-contained breathing apparatus should be worn.

**Ventilation:** Provide adequate ventilation if necessary to meet exposure requirements

**Local Exhaust:** Provide adequate ventilation to minimize smoke and fumes in the workplace

### Mechanical (General)

**Protective Gloves:** Usually not required

**Eye Protection:** Safety glasses or goggles should be used

**Other Protective Clothing or Equipment:** N/A

**Other:** Wash Hands Thoroughly Before Eating or Smoking. Avoid contact with eyes and skin

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Boiling Point:</b>	260C	<b>Specific Gravity (H<sub>2</sub>O= 1) Solid</b>
<b>Melting Point:</b>	232C, 450 F	<b>Vapor Pressure (mm Hg):</b> N/A
<b>Vapor Density (AIR =1):</b>	MMHGAT 20<0.01	<b>PH:</b> 6
<b>Evaporation Rate (Butyl Acetate = 1)</b>	N/A	
<b>Solubility in Water:</b>	Tin-Insoluble, Ammonium Phosphate-Water Soluble	
<b>Appearance and Odor:</b>	Grey Solid, Low Odor When Heated	

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## 10. STABILITY AND REACTIVITY

Stability:    \_\_\_ Unstable    \_\_\_X\_\_\_ Stable

**Incompatible Materials and Conditions to Avoid:** Strong oxidizing materials

**Hazardous Decomposition Products:** When heated to solder melting temperature, thermal degradation products may include ammonia, aliphatic aldehydes and acids.

**Conditions to Avoid:** N/A

**Evaporation:** Open Containers may change concentrations

**Hazardous Polymerization:** \_\_\_ May Occur    \_\_\_X\_\_\_ Will Not Occur

## 11. TOXICOLOGY INFORMATION

Not determined for this product. See section 2 for ingredients

## 12. ECOLOGICAL INFORMATION

No data available

## 13. DISPOSAL INFORMATION

**Disposal Method:** Federal, State and Local laws governing disposal of materials can differ. Ensure Compliance with proper authorities before disposal.

**General Comments:** Dispose of in a manner consistent with federal, state, and local regulations.

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## 14. TRANSPORT INFORMATION

### DOT (Department of Transportation):

PROPER SHIPPING NAME: Non-Regulated  
PRIMARY HAZARD CLASS/DIVISION: No Classification  
UN/NA NUMBER: N/A  
PACKING NUMBER: N/A

### AIR:

PROPER SHIPPING NAME: Non-Regulated  
PRIMARY HAZARD CLASS/DIVISION: No Classification  
UN/NA NUMBER: N/A  
PACKING NUMBER: N/A

### VESSEL:

PROPER SHIPPING NAME: Non-Regulated  
PRIMARY HAZARD CLASS/DIVISION: No Classification  
UN/NA NUMBER: N/A  
PACKING NUMBER: N/A

**TDG Canada:** Not Regulated

## 15. REGULATORY INFORMATION

### USA:

All chemical substances in this product are listed in the EPA (Environmental Protection Agency) and the TSCA (Toxic Substances Control Act) Inventory)

### SARA Hazardous Category:

This product has been reviewed according to the EPA hazard categories under Section 311 & 312 of the Superfund Amendment and Reorganization Act of 1986 and is considered under applicable definitions to meet the following category: Not to have met any hazardous category.

### TOXIC Substance Control Act (TSCA):

All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

**California Prop 65:** None

### CANADA:

#### WHMIS REGULATIONS

The Canadian workplace hazardous materials information system classification for this product is, "This product has been classified in accordance with the hazard criteria of the Canadian Controlled Product Regulations (CPR) and the MSDS contains all the information required by the CPR.

### EU:

#### REACH SVHC (Substances of Very High Concern):

Dangerous Substances Hazard Classification- X Irritant  
R-Phases (Risks to Humans or the Environment)

-R36/37-Irritating to eyes and respiratory system.

S-Phases (Safety Precautions for storing, handling and using the product)

-S 2- Keep out of the reach of children

-S 25/25- Avoid contact with skin and eyes

-S 26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice



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## 16. OTHER INFORMATION

**Approved by:** Neale Zingle  
**Title:** Operations Manager

### NFPA CODES:

**Health**  
1

**Flammability**  
0

**Physical Hazard**  
0

**Personal Protection**  
0

**Manufacturer Disclaimer:** To the best of our knowledge, the information contained herein is accurate. However, neither Kleen Concepts, or ~~any~~ **subsidiaries** assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazardous are described herein, we cannot guarantee that these are the only hazards, which exist.