



MATERIAL SAFETY DATA SHEET

1 of 6

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
Non-Hazardous Ingredients						
Surfactant	<1	7757-82-6, 7732-18-5, 91-20-3				



MATERIAL SAFETY DATA SHEET

2 of 6

Tip Tinner

Date Issued October 1, 2010

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

Flash Point (Method Used)	Flammable Limits	LEL	UEL
NONE	N/A	N/A	N/A

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



MATERIAL SAFETY DATA SHEET

3 of 6

Tip Tinner

Date Issued October 1, 2010

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, Staten 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

Boiling Point:	260C	Specific Gravity (H₂O= 1) Solid
Melting Point:	232C, 450 F	Vapor Pressure (mm Hg): N/A
Vapor Density (AIR =1):	MMHGAT 20<0.01	PH: 6
Evaporation Rate (Butyl Acetate = 1)	N/A	
Solubility in Water:	Tin-Insoluble, Ammonium Phosphate-Water Soluble	
Appearance and Odor:	Grey Solid, Low Odor When Heated	

MATERIAL SAFETY DATA SHEET

4 of 6



Tip Tinner

Date Issued October 1, 2010

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.



MATERIAL SAFETY DATA SHEET

5 of 6

Tip Tinner

Date Issued October 1, 2010

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

MATERIAL SAFETY DATA SHEET

6 of 6



Tip Tinner

Date Issued October 1, 2010

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 **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.