MATERIAL SAFETY DATA SHEET

TIP TINNER – TT-95

Date Revised: November 23, 1999

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SECTION 1 – PRODUCT IDENTIFICATION AND USE

TIP TINNER – TT-95
Product Name And Number As Used On Label

PRODUCT USE: Tinning or solder coating soldering iron tips

NFPA Rating: Health: 1 Flammability: 0 Reactivity: 0 Special: 0
HMIS Rating: Health: 1 Flammability: 0 Reactivity: 0 Personal Protection: X

DOT: Not Regulated.
WHMIS: Class D, Division 2, Subdivision B.
TDG: Not Regulated.

NA = Not Applicable ***NE = Not Established*** ***UN = Unknown***

SECTION 2 – INGREDIENTS AND HAZARDS

HAZARDOUS INGREDIENTS 1% or greater **CARCINOGENS** 0.1% or greater	C.A.S. Number	WT. %	OSHA PEL mg/m^3	ACGIH TLV TWA mg/m^3
Tin	7440-31-5	40	2.0	2.0
Copper	7440-50-8	< 1	NE	0.2
Ammonium Phosphate	7783-28-0	51	NE	NE
NON-HAZARDOUS INGREDIENTS				
Surfactant	68131-39-5	5	NE	NE

NOTES: * This Chemical is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

SECTION 3 – PHYSICAL DATA

Boiling Point: (760 mm Hg): NA °F NA °C
Vapor Pressure (mm Hg at 20 °C): <0.01
Vapor Density (Air=1): NA
Solubility in Water (% by weight): 50
pH: 6

Specific Gravity (water = 1 at 25 °C): >1
Melting Point: 320°F 160°C
Evaporation Rate (butyl acetate=1): NA
% Volatile (by volume): NA
Volatile Organic Compound (VOC): 0 g/liter
Odor Threshold: NE

Appearance and Odor: Gray solid, low odor.

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point (T.O.C.): NA °F NA °C
Auto-Ignition Temperature: NA °F NA °C
Flammability Limits % by volume in air LEL: NA UEL: NA
Extinguishing Media: ( ) WATER ( ) CARBON DIOXIDE ( ) ALCOHOL FOAM ( ) DRY CHEMICAL
Hazardous Combustion Products: Ammonia
Explosion Sensitivity: Impact - None Identified Static discharge - ( ) Yes (X) No
Special Fire Fighting Procedures: NA
Unusual Fire and Explosion Hazards: NONE.

SECTION 5 – REACTIVITY HAZARD DATA

STABILITY (X) Stable ( ) Unstable Conditions to Avoid: None

Incompatibility (materials to avoid): Strong oxidizers.

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

HAZARDOUS POLYMERIZATION:

( ) May Occur Conditions to Avoid: NE

(X) Will Not Occur

SECTION 6 – HEALTH HAZARD DATA

EXPOSURE LIMITS: Ingested LD (50): NE g/Kg Inhaled LC (50): NE g/Kg

Primary exposure during use is to fumes which may contain ammonia and organic decomposition products.

PRIMARY ROUTES OF ENTRY: ( ) Skin (X) Eyes (X) Inhalation (X) Ingestion

TARGET ORGANS: Fumes during heating may irritate eyes, mucous membranes and respiratory system.

EFFECTS OF ACUTE (severe short-term) EXPOSURE:

INHALATION: Fumes during heating may irritate mucous membranes and upper respiratory system.

SKIN CONTACT: Fumes may be mildly irritating to skin.

SKIN ABSORPTION: None.

EYE CONTACT: Material and fumes during heating are irritating to eyes.

INGESTION: Not likely to occur.

EFFECTS OF CHRONIC (prolonged) EXPOSURE:

Breathing fumes during use may cause respiratory irritation, headache and irritation of mucous membranes. Prolonged or repeated skin contact can result in a rash.

Medical Conditions Generally Aggravated by Exposure: Chemical hypersensitivity, asthma, and other respiratory conditions.

CARCINOGEN ( ) NTP ( ) OSHA ( ) IARC (X) Not Listed

EMERGENCY FIRST AID PROCEDURES: Seek medical assistance for further treatment, observation and support if needed.

EYE CONTACT: For burns flush immediately with cool water. For fume irritation use eye drops and remove from exposure.

SKIN CONTACT: For burns flush immediately with cool water. If a rash develops from the flux fumes, remove person from exposure and wash skin with soap and water.

INHALATION: Remove person from exposure to fumes.

INGESTION: NA

SECTION 7 – PROCEDURES FOR MATERIAL CONTROL

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: NA

WASTE DISPOSAL METHODS: Solder can be reclaimed.

CAUTION: Empty containers may contain product residue. Observe all label precautions.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid breathing fumes generated during use.

SECTION 8 – PROTECTIVE MEASURES

RESPIRATORY PROTECTION:
Usually not required. When ventilation is not sufficient to remove fumes from the breathing zone, a cartridge-type respirator should be worn.

PROTECTIVE GLOVES: Usually not required.

EYE PROTECTION: When soldering, use goggles or face shield.

VENTILATION TO BE USED:
Provide adequate exhaust ventilation (general and/or local) to meet TLV requirements.

OTHER PROTECTIVE CLOTHING AND EQUIPMENT: None.

HYGIENIC WORK PRACTICES: Wash hands thoroughly before eating or smoking.

SECTION 9 – ADDITIONAL INFORMATION

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