

Tip Tinner

All the major manufacturers of soldering tips have one thing in common, they all recommend that you “Tin Your Soldering Tips”. I.C. Lead Free Top Tinner has been formulated to prolong soldering tip life in the harsh environment of No Clean and Water Soluble Fluxes.



Section 1 - Hazardous Ingredients

Special Chemical Identity	50% Tin CAS NO 7440-31-5
OSHA PEL	2.0MG/M3
AGIH TIV	2.0MG/M3
Other Limits Recommended	50% Tin (SN) is in suspension with Ammonium Phosphate CAS NO 7783-28-0
% Optional	“Non Hazardous” Ingredients

Section 2: Physical / Chemical Characteristics

Boiling Point	260°C
Specific Gravity (H ₂ O=1)	Solid
Vapour Pressure (mm Hg)	MMHGAT 20<0.01
Melting Point	232°C / 450°F
Vapour Density (AIR = 1)	N/A
Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	Tin - Insoluble Ammonium Phosphate - Water Soluble
Appearance and Odour	Silver paste, low odour when heated 450°F (150°C)

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Section 3: Fire and Explosion Hazard Data

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

Section 4: Reactivity Data

Stability	Stable
Conditions to avoid	Evaporation - open containers may change concentrations
Incompatibility (Materials to avoid)	At temperatures above the melting point, metal oxide fumes may be evolved, use adequate exhaust
Hazardous Polymerisation	Will not occur

Section 5: Health Hazard Data

Routes of Entry	Inhalation: LD50 Ingestions: LC50
Health Hazards (Acute and Chronic)	Fumes emitted during use can cause headaches and irritation of mucous membrane in the eyes and respiratory system
Carcinogenicity	Not listed as a carcinogen by NTP OSHA ACGIH
Medical conditions generally aggravated by exposure	Only when heated
Emergency and First Aid Procedures	Normal hygiene and first aid procedures, wash with soap and water, flush eyes with plenty of water, remove victim to fresh air

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Section 6: Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled	Scoop or sweep up and discard
Waste Disposal Method	According to local regulations, tin may have value on recycle basis if disposed of in a permitted disposal site with all state and local disposal regulations
Precautions to be taken in handling and storage	Avoid temperatures > 110°F
Other precautions	Avoid breathing fumes generated during use

Section 7: Control Measures

Respiratory Protection (Specific Type)	Usually not required. When ventilation is not adequate remove smoke from breathing zone
Local exhaust	Provide adequate ventilation to meet TLV
Protective gloves / clothing / eye protection	N/A
Work / Hygienic Practices	Wash hands thoroughly before eating or smoking
NFPA Rating	Health: 1 Flammibility: 0 Reactivity: 0 Personal Protection: X

Product Code	Description	Size	Additional Notes
143-0272	Tip Tinner	1/2Oz	Each



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