

Tip Tinner Lead Free

Part No. 0603TTLF

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard (Non-Mandatory Form)
29 CFR 1900, 1200 Standard must be
consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
Form Approved
OMB No. 1218-0072

IDENTITY (As used on label and list)
TIP TINNER

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.

SECTION I

Manufacturer's Name

Emergency Telephone Number

Address (Number, Street, City, State, Zip) Telephone Number for Information

Date Prepared

October 1, 2004

SECTION II - Hazardous Ingredients/Identity Information

Hazardous Components

| (Specific Chemical Identity: <u>Common Names</u>) | OSHA PEL | ACGIH TIV | Other Limits Recommended | %Optional |
|---|-------------------------|-----------------|-----------------------------|------------|
| <u>50% Tin</u> | <u>CAS NO 7440-31-5</u> | <u>2.0MG/M3</u> | <u>2.0MG/M3</u> | <u>50%</u> |
| <u>Tin (SN) is in Suspension with Ammonium Phosphate CAS NO 7783-28-0 "Non-Hazardous" Ingredients</u> | | | | |

SECTION III -Physical/Chemical Characteristics

Boiling Point

260C

Specific Gravity (H 2 O= 1)

Solid

Vapor Pressure (mm Hg)

MMHGAT 20<0.01

Melting Point

232 C-450 F

Vapor Density (AIR =1)

N/A

Evaporation Rate (Butyl Acetate = 1)

N/A

Solubility in Water

Tin-Insoluble Ammonium Phosphate-Water Soluble

Appearance and Odor

Silver Paste, Low Odor when heated 450 F (150 C)

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used) Flammable Limits

None

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 V - Reactivity Data

Stability Unstable

Conditions to Avoid

Evaporation - Open containers may change concentrations.

Stable

X

Incompatibility (Materials to Avoid)

Chlorine - Turpentine

Hazardous Decomposition or Byproducts

At Temperatures Above the Melting Point, Metal Oxide Fumes May Be Evolved. Use Adequate Exhaust.

Hazardous Polymerization May Occur

Conditions to Avoid

X

Will not Occur

X

SECTION VI - Health Hazard Data

Routes of Entry:

Inhalation

Skin

Ingestion

LD50

LC50

Health Hazards (Acute and Chronic)

Fumes Emitted During Use Can Cause Headache and Irritation of Mucous Membranes in the Eyes and Respiratory System.

Carcinogenicity:

NTP

IARC Monographs

OSHA Regulated

*Not Listed as a Carcinogen By NTP OSHA ACGIH

Signs and Symptoms of Exposure:

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.

SECTION VII - 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 in Accordance with all Federal State and Local Disposal Regulations.

Precautions to Be Taken in Handling and Storing:

Avoid temperatures > 110 F

Other Precautions

Avoid Breathing Fumes Generated During Use.

SECTION VIII - Control Measures

Respiratory Protection (Specify Type)

Usually Not Required. When Ventilation Is Not Adequate, Remove Smoke From Breathing Zone.

Ventilation:

Local Exhaust

Special

Provide Adequate Ventilation to Meet TLV

Mechanical (General)

Other

Protective Gloves

Eye Protection

N/A

N/A

Other Protective Clothing or Equipment

N/A

Work/Hygienic Practices

Wash Hands Thoroughly Before Eating or Smoking.

NFPA Rating:

Health
1

Flammability
0

Reactivity
0

Personal Protection
X