

Material Safety Data Sheet

To comply with 29CFR 1910.1200
OSHA's Hazard Communication Standard

Tiptinner

1. PRODUCT AND COMPANY INFORMATION

Emergency Telephone 1-(563)-289-5123
CHEMTREC AFTER HOURS 1-(800)-424-9300
Princeton IA 52768 Revised 1/1/2015 by JMC Product Safety

2. HAZARD IDENTIFICATION

GHS Classification:

Acute Aqua tox 1

Chronic tox 1

GHS Label Elements:

TIN & COPPER

WARNING

H Codes: H303, H313, H320, H333, H410

May be harmful if swallowed

May be harmful if inhaled

May cause eye irritation

May be harmful in contact with the skin

Very toxic to aquatic life with long lasting effects

P Codes: P273, 301+310, 303+361+353, 304+340, 305+351+338+310, 501

Avoid breathing mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Use in a well ventilated area. Wear protective gloves/protective

clothing/eye protection/face protection. In case of inadequate ventilation use respiratory protection. Do not breathe

dust/fume/gas/mist/vapor/spray. Do

not eat, drink or smoke when using this product. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Immediately call a POISON

CENTER/Doctor. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice/attention if you

feel unwell. IF INHALED: Remove victim to to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell. IF IN EYES:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call POISON

CENTER/Doctor. Wash thoroughly after use. Wash contaminated clothing before reuse. Store in a closed compatible container in cool dry place. Avoid

release to the environment. Dispose of contents/container in accordance with specified local/regional/national/international regulations for disposal. Keep

out of the reach of children. Read label and SDS prior to use.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Component CAS # OSHA TWA ACIGH TWA Other limits %

Tin 7440-31-5 2mg/M3 2mg/M3 NE

+ Copper 7440-50-8 0.1mg/M3 0.2mg/M3 NE 2 %

Phosphorus 7722-76-1 NE NENE

Only those ingredients listed in this section have been determined to be hazardous as defined in 29CFR 1910.1200.

An ingredient marked with an asterisk(*) is also listed in 29CFR 1910.1200(D) #4 as a known or suspected cancer hazard.

+ denotes a chemical regulated as toxic by the Environmental Protection Agency (EPA) as outlined in 40CFR Part 372 (section 313)

4. FIRST AID MEASURES

Signs and symptoms of exposure:Inhalation-Nose & throat irritation, headache, dizziness, difficulty breathing, coughing.

Ingestion-nausea, vomiting,

cramps. Skin-redness, burning, rash, dryness. Eye-redness, burning, tearing, blurred vision.

Medical conditions aggravated by exposure: Skin, kidney and respiratory conditions.

Emergency first aid procedures:

Skin: Flush with water immediately - Seek medical attention if necessary

Eyes: Flush with water for 15 minutes - Seek medical attention

Ingestion: DO NOT induce vomiting, drink large amounts of water - seek medical attention. Never give anything by mouth to an unconscious person

Inhalation: Remove to fresh air. Support respiration if required - Seek medical attention

5. FIREFIGHTING MEASURES

Extinguishing media: dry chemical.

Special fire fighting procedures: use self sustaining respiratory suit.

Unusual Fire and Explosion Hazards: High concentrations of dust may be explosive above 1100 F. May release metal and metal oxide fumes, ammonia, NO_x, PO_x.

6. ACCIDENTAL RELEASE MEASURES

Methods and materials: Flush into chemical sewer or sweep up with a suitable absorbent. Wear adequate protection as described in section 8.

Environmental Precautions: Avoid release to the environment. Collect spillage.

7. HANDLING & STORAGE

Wash thoroughly after use. Wash contaminated clothing before reuse. Store in a closed corrosive resistant container, with corrosive resistant liner, in

cool dry place. Keep out of the reach of children. Read label and SDS prior to use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limit Values: See section 3.

Respiratory Protection (type): HEPA mask required for fumes above TWA.

Ventilation: Local Exhaust preferred Special: NE

Mechanical: OK Other: NE

Protective Gloves: plastic or rubber Eye Protection: Goggles or face shield

Other Protective Clothing or Equipment: as required to avoid contact.

Work/Hygienic Practices: Wash after use. Follow good industrial hygienic practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: NE Specific Gravity: NE

Vapor Pressure (mm Hg): NE Melting Point: 160 C

Vapor Density: NE Evaporation Rate: <1 (butyl acetate=1)

Solubility in water: nil pH: NE

Flash Point: NE (TOC) Flammable Limits: lcl: NE ucl: NE

Appearance and odor: Silver/Gray solid, odorless.

10. STABILITY AND REACTIVITY

Stability : STABLE Conditions to avoid : none

Incompatibility (materials to avoid): strong bases & acids, oxidizers, sulfides, halogens.

Hazardous Decomposition or Byproducts (incomplete combustion): High concentrations of dust may be explosive above 1100 F. May release

metal and metal oxide fumes, ammonia, NO_x, PO_x.

Hazardous Polymerization: WILL NOT OCCUR Conditions to avoid: none

11. TOXICOLOGICAL INFORMATION

Routes of entry: Inhalation: yes Skin: no Ingestion: yes

Health Hazards (acute and chronic): Contact with fumes, dust and material may cause skin, eye and respiratory tract irritation.

Ingestion may cause

digestive tract irritation. Gross or repeated inhalation may result in "metal fume fever", symptoms of which may not manifest for several hours after

exposure. Chronic exposure via inhalation may result in benign pneumoconiosis, other respiratory tract effects. Chronic inhalation and ingestion may

result in kidney effects. Studies show that potential health risks vary by individual. Always minimize exposure as a precaution.

Carcinogenicity: not determined NPT? no IARC Monographs? no

12. ECOLOGICAL INFORMATION

Toxicity: NE **Persistence & Degradability:** NE

Bio-accumulative Potential: NE **Mobility in Soil:** NE

PBT & vPvB Assessment: NE **Other Adverse Effects:** NE

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: dispose of in accordance with all local state and federal regulations

Other Precautions: Avoid skin & eye contact, inhalation & ingestion of fumes and material. Wash contaminated clothing before reuse. Keep away from children.

14. TRANSPORT INFORMATION

DOT Classification: Non-Hazardous

Marine Pollutant: NE

15. REGULATORY INFORMATION

NFPA Classification (NFPA 325M,8

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edition)(Health, Flammability, Reactivity): 1-0-0