

ZACLON LLC MATERIAL SAFETY DATA SHEET

IDENTIFICATION**NAME**

Tin/Zinc/Copper Alloys

GRADE

Zaclon Galvanizing Repair Alloy

CHEMICAL FAMILY

N/A

CAS NAME

N/A

CAS REGISTRY NO.

N/A

MANUFACTURER/DISTRIBUTOR

Zaclon LLC

TRANSPORTATION EMERGENCY PHONE

CHEMTREC (800) 424-9300

ADDRESS2981 Independence Road
Cleveland, OH 44115**PRODUCT INFORMATION PHONE**

(800) 356-7327

PHYSICAL DATA**BOILING POINT,**

907 °C (1664 °F)

MELTING POINT

201-257 °C (395-495 °F)

SPECIFIC GRAVITY

6.46 G/CC

VAPOR PRESSURE (mm HG)

1 @ 1375 °C (2507 °F)

VAPOR DENSITY

N/A

SOLUBILITY IN H₂O

Insoluble

pH INFORMATION

N/A

EVAPORATION RATE (BUTYL ACETATE=1)

N/A

FORM

Solid

APPEARANCE

Grey solid

COLOR

Grey

ODOR

Odorless

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

HAZARDOUS COMPONENTS

<u>MATERIAL(S)</u>	<u>CAS. NO</u>	<u>APPROXIMATE %</u>
Tin	7440-31-5	39-49
+ Zinc	7440-66-6	50-60
+ Copper	7440-50-8	1

+ regulated as a toxic chemical under Section 313 of Title III/SARA, and 40 CFR Part 372

HAZARDOUS REACTIVITY

INSTABILITY Stable

INCOMPATIBILITY Oxidizing material

DECOMPOSITION Toxic metal fumes > 1000 °C (1832 °F)

POLYMERIZATION Will not occur

FIRE AND EXPLOSION DATA

FLASH POINT N/A **FLAMMABLE LIMITS IN AIR % BY VOL.**

LOWER N/A

AUTOIGNITION TEMPERATURE

UPPER N/A

N/A

FIRE AND EXPLOSION HAZARDS

AUTODECOMPOSITION TEMPERATURE

If generated, dust is explosive above 1100 °F N/A

EXTINGUISHING MEDIA Dry chemical, do not use water

SPECIAL FIRE FIGHTING INSTRUCTIONS

Use self contained breathing apparatus above 1000 °C (1832 °F)

HEALTH HAZARD INFORMATION**PRINCIPAL HEALTH HAZARDS**

Inhalation of dust may cause irritation. Prolonged exposure may cause permanent respiratory damage. Health studies have shown that potential health risks may vary by individual. Always minimize exposure as a precaution.

CARCINOGENICITY

Not determined

NTP? No

IARC MONOGRAPHS? No

EXPOSURE LIMITS

The OSHA 8-hour time weighted average (TWA) and ACGIH - TWA are as follows:

Tin -	2 MG/M3
Zinc -	5 MG/M3 Dust
Copper -	0.2 MG/M3 Fume

SAFETY PRECAUTIONS

Wash after use. Follow good industrial hygienic practices.

FIRST AID

SKIN: Flush with water immediately. Treat for burns. Seek medical attention, if required.

EYES: Flush with water for 15 minutes. Seek medical attention.

INGESTION: Drink large amounts of water. Seek medical attention. Never give liquids to an unconscious person.

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

PROTECTION INFORMATION**GENERALLY APPLICABLE CONTROL MEASURES**

Respiratory protection (Type): Above TLV, NIOSH approved respirators.

See 29 CFR 1910.134

Ventilation - Local exhaust preferred. Mechanical okay.

PERSONAL PROTECTIVE EQUIPMENT

Heat resistant gloves during soldering. Goggles or face shield during soldering. Other protective clothing or equipment as required to avoid contact.

DISPOSAL INFORMATION**SPILL, LEAK OR RELEASE**

Collect and use, if contaminated or in small particles. Vacuum or collect material. Never use methods which generate dust.

WASTE DISPOSAL

Never dispose of in trash. Hold for recycling or dispose of in accordance with all local, state and federal regulations.

SHIPPING INFORMATION**DOT/IMO**

PROPER SHIPPING NAME

Not regulated as a hazardous material

HAZARD CLASS

Not regulated

OTHER INFORMATION
SHIPPING CONTAINERS

50 pound boxes

STORAGE CONDITIONS N/A**NPCA-HMIS RATING**

Health 0

Flammability 0

Reactivity 0

Personal Protection Personal protection rating to be supplied by the user
depending on use conditions**TITLE III HAZARD CLASSIFICATION**

Acute: Yes

Chronic: Yes

Fire: No

Reactivity: No

Pressure: No

ADDITIONAL INFORMATION AND REFERENCES

N/A

DATE OF LATEST REVISION/REVIEW: May 2008

PERSON RESPONSIBLE FOR MSDS:

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