

SAFETY DATA SHEET

SUPERIOR AFCW SN99.3/CU0.7

DATE REVISED: January 1, 2017

Product Name: Superior AFCW Sn99.3/Cu0.7

Manufacturer: Superior Flux & Mfg. Co. 6615 Parkland Blvd. Cleveland, OH 44139

Emergency Phone Number: 1-800-424-9300 (CHEMTREC)

Other Information Calls: (440) 349-3000

To the Purchaser: This MSDS contains important environmental, health, and toxicology information for your employees who have ordered this product. Please be sure this information is given to them. If you resell this product, a copy of the MSDS should be given to the buyer.

H.M.I.S. INFORMATION: HEALTH = 1 FLAMMABILITY = 0 REACTIVITY = 0

SECTION I - IDENTIFICATION

Common Name: Superior AFCW Sn99.3/Cu0.7

Chemical Family: Lead Free Alloy

CAS Number: NA

Chemical Name: NA

Formula: See Below

SECTION II – HAZARDS IDENTIFICATION

Classification of Substance or Mixture:

Classification (CLP): No Data Available

Label Elements (CLP): No Data Available



Irritant

Risk Phrases: None

Safety Phrases: S36, S39

See section XVI for full text description of S and R phrases

Other Hazards: None if used properly

SECTION III- COMPOSITION INFORMATION

| Components | CAS Number | % | OSHA PEL | H Statements |
|------------------------|------------|-----------|-----------------------|--------------------------------|
| Tin | 7440-31-5 | 99.3-99.5 | 2.0 mg/m ³ | NA |
| Copper | 7440-50-8 | 0.5-0.7 | 0.1 mg/m ³ | NA |
| Aminoethylethanolamine | 111-41-1 | 0.0-2.0 | NA | H360Fd, H361, H314, H317, H335 |
| Triethanolamine | 102-71-6 | 0.0-2.0 | NA | NA |

Unlisted percentages are non-hazardous stabilizers, activators, and water. None of the materials in this product are listed in NTP, IARC, or OSHA as carcinogens.

SECTION IV- HEALTH HAZARDS

Primary Routes of Entry: Fume inhalation, ingestion, skin, and eyes.

Signs and Symptoms of Exposure:

1) **Acute Effects:** Reddening of eyes and skin, acid stomach if ingested, inhalation may cause respiratory tract irritation.

2) **Chronic Effects:** No specific information available

Medical Conditions Generally Aggravated by Overexposure: None presently known.

Chemical Listed as a Carcinogen or Potential Carcinogen: None

OSHA Permissible Exposure Limit (PEL): 5 mg/m³

ACGIH Threshold Limit Value (TLV): 5 mg/m³

EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush with water for 10 minutes. Call a physician.

Skin: Wash thoroughly with water.

Inhalation: Remove to fresh air or administer oxygen. Call a physician.

Ingestion: If patient is fully conscious, give two glasses of water. Obtain medical attention immediately.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

Flash Point: NA

Flammable Limits: NA

Extinguishing Media: Special mixtures of dry chemicals suitable for metal fires such as dry sand, dolomite, graphite, salt, and soda ash. **Do not apply water to burning or melted metal.** Water can be used to cool containers when no contact with metal will occur.

Auto Ignition Temperature: None

Special Fire Fighting Procedures: Avoid breathing fumes, smoke from fire, and use self contained breathing gear.

Unusual Fire and Explosion Hazards: None known

SECTION VI - ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is spilled: Protect skin and eyes by wearing safety glasses and gloves. Ventilate the area. Restrict and collect spilled materials

SECTION VII - HANDLING AND STORAGE

Storage Requirements: Avoid the place directly exposed to sun rays, store in cool dark place.

Handling Precautions: Before meal or after completion of operation, make sure to wash hands and gargle the throat. Provide the local exhaust at the work area of soldering

SECTION VIII - CONTROL MEASURES

Respiratory Protection (TYPE): NIOSH approved respirator.

Ventilation: Yes

Mechanical (General): Yes
Local Exhaust: Yes
Eye Protection: Safety glasses/goggles
Protective Gloves: Recommended, NIOSH approved
Other Protective Clothing or Equipment: Protective apron for electrostatic preventive

SECTION IX - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: NA
Specific Gravity (Water = 1): NA
Vapor Pressure (mm Hg): NA
Percent Volatile by Volume: NA
Vapor Density (Air = 1): NA
Evaporation Rate (Butyl Acetate = 1): NA
Melting Point: 227°C
Solubility in Water: NA
Reactivity in Water: NA
Appearance and Odor: White metallic

SECTION X - STABILITY AND REACTIVITY

Boiling Point: NA
Specific Gravity (Water = 1): 7.4
Vapor Pressure (mm Hg): NA
Percent Volatile by Volume: NA
Vapor Density (Air = 1): NA
Evaporation Rate (Butyl Acetate = 1): NA
Melting Point: 227°C
Solubility in Water: NA
Reactivity in Water: NA
Appearance and Odor: White metallic

SECTION XI - TOXICOLOGICAL INFORMATION

Acute Toxicity Data

- 1) **Oral:** LD-50 (rat): Not available
- 2) **Inhalation:** LC-50 (rat): Not available
- 3) **Dermal:** LD-50 (rabbit): Not available
- 4) **Skin Irritation:** (rabbit): Not available

Chronic Toxicity Data

- 1) **Repeated Skin Application:** (rat): Not available
 - 2) **Eye Irritation:** (rabbit): Not available
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SECTION XII - ECOLOGICAL INFORMATION

This Material has not been Tested for Environmental Effects.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of in accordance with EPA regulations.

SECTION XIV- TRANSPORTATION

D.O.T. Proper Shipping Name: Non-hazardous

Identification Number: NA

Type D.O.T Label Required Information: NA

Hazard Class: NA

Packing Group: NA

SECTION XV - REGULATORY INFORMATION

OSHA Hazardous Chemical According to 29 CFR 1910.1200: None

Carcinogenicity Classification (Components Present at 0.1% or More): Non-Carcinogenic

International Agency for Research on Cancer (IARC): Not Listed

American Conference of Governmental Industrial Hygienists (ACGIH): Not Listed

National Toxicology Program (NTP): Not Listed

Occupational Safety and Health Administration (OSHA): Not Listed

None of the Components of this Product are Listed on the U.S. Toxic Substances Control Act. Inventory or Otherwise Comply with TSCA Pre-manufacture Notification Requirements. This Product is RoHS Compliant.

SECTION XVI - OTHER INFORMATION

The labeling of this product is indicated in Section II. The full text of all abbreviations indicated by codes in the MSDS are as follows:

S-36/39 Wear suitable protective clothing and eye/face protection

H360Fd May damage unborn child, suspected of damage to fertility

H314 Causes severe burns and eye damage

H317 May cause allergic skin reaction

H335 May cause respiratory irritation

H361 Suspected of damaging fertility or the unborn child

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