

MATERIAL SAFETY DATA SHEET

Manufacturer: Strem Chemicals, Inc.
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CHEMTREC (EMERGENCY ONLY): (800) 424-9300
POISON CENTER: (800) 562-8236

SECTION 1 Product Identification

CHEMICAL NAME: Copper (II) cyclohexanebutyrate (AAS)

PRODUCT NUMBER: 93-2917

CAS REGISTRY NUMBER: 2218-80-6

FORMULA: Cu[OOC(CH₂)₃C₆H₁₁]₂

EINECS NUMBER: none

CHEMICAL FAMILY: metal beta-diketonate complexes

SYNONYM: Cyclohexanebutyric acid, copper (+2) salt

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	2218-80-6	100	no data	no data

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Irritating to skin, eyes and respiratory tract.

PRIMARY ROUTES OF EXPOSURE: Ingestion, skin, inhalation, eyes

EYE CONTACT: Causes slight to mild irritation of the eyes.

SKIN CONTACT: Causes slight to mild irritation of the skin.

INHALATION: The material is a fine powder. Irritating to the nose, mucous membranes and respiratory tract.

INGESTION: Ingestion of copper compounds may lead to vomiting, exhaustion, anemia, convulsions and coma.

ACUTE HEALTH EFFECTS: Irritating to skin, eyes and respiratory tract.

CHRONIC HEALTH EFFECTS: No information available on long-term chronic effects.

NTP: No

IARC: No

OSHA: No

SECTION 4 First Aid Measures

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water for at least 10-15 minutes. A victim may need assistance in keeping their eye lids open. Get immediate medical attention.

SKIN EXPOSURE: Wash the affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

INHALATION: Remove the victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

INGESTION: Seek medical attention immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

SECTION 5 Fire Fighting Measures

FLASH POINT: no data

AUTOIGNITION TEMPERATURE: none

EXPLOSION LIMITS: none

EXTINGUISHING MEDIUM: carbon dioxide, foam or dry powder

SPECIAL FIRE FIGHTING PROCEDURES: If this product is involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: If involved in a fire this material may emit irritating fumes.

UNUSUAL FIRE OR EXPLOSION HAZARDS: No unusual fire or explosion hazards.

SECTION 6 Accidental Release Measures

SPILL AND LEAK PROCEDURES: Small spills can be mixed with vermiculite or sodium carbonate and swept up.

SECTION 7 Handling and Storage

HANDLING AND STORAGE: Store in a tightly sealed container. Handle the material in a ventilated area.

SECTION 8 Exposure Controls and Personal Protection

EYE PROTECTION: Always wear approved safety glasses when handling a chemical substance in the laboratory.

SKIN PROTECTION: Wear protective clothing and gloves.

VENTILATION: Material may form a fine dust. If possible, handle the material in an efficient fume hood.

RESPIRATOR: If ventilation is not available a respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 1910.134.

ADDITIONAL PROTECTION: No additional protection required.

SECTION 9 Physical and Chemical Properties

COLOR AND FORM: blue powdr.

MOLECULAR WEIGHT: 402.01

MELTING POINT (°C): none

BOILING POINT (°C): no data

VAPOR PRESSURE: no data

SPECIFIC GRAVITY: no data

ODOR: none

SOLUBILITY IN WATER: insoluble

SECTION 10 Stability and Reactivity

STABILITY: air and moisture stable solid

HAZARDOUS POLYMERIZATION: no hazardous polymerization

CONDITIONS TO AVOID: none

INCOMPATIBILITY: oxidizing agents

DECOMPOSITION PRODUCTS: carbon dioxide, carbon monoxide, organic fumes, and copper salts.

SECTION 11 Toxicological Information

RTECS DATA: Oral (rat); LD50: 2263mg/kg.

CARCINOGENIC EFFECTS: No data available

MUTAGENIC EFFECTS: No data available

TETRATOGENIC EFFECTS: No data available

SECTION 12 Ecological Information

ECOLOGICAL INFORMATION: No information available

SECTION 13 Disposal Considerations

DISPOSAL: Dispose of according to local, state and federal regulations.

SECTION 14 Transportation Information

SHIPPING NAME (CFR): Non-hazardous
HAZARD CLASS (CFR): NA
ADDITIONAL HAZARD CLASS (CFR): NA
PACKING GROUP (CFR): NA
UN ID NUMBER (CFR): NA
SHIPPING NAME (IATA): Non-hazardous
HAZARD CLASS (IATA): NA
ADDITIONAL HAZARD CLASS (IATA): NA
PACKING GROUP (IATA): NA
UN ID NUMBER (IATA): NA

SECTION 15 Regulatory Information

TSCA: Listed in the TSCA inventory.
SARA (TITLE 313): See Category Code N100 for Reporting.
SECOND INGREDIENT: none
THIRD INGREDIENT: none

SECTION 16 Other Information

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, Strem Chemicals, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information contained in this document or any use of the product based on this information.

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