

Butler

PROUDS OFF

I PRODUCT IDENTIFICATION

MANUFACTURER'S NAME: BUTLER SALES ASSOCIATES, INC.
 P.O. BOX 8098
 ST. JOSEPH, MO 64508
 REGULAR TELEPHONE NO.: 816/279-3449
 TRADE NAME: Prouds Off
 SYNONYMS: Basic copper, Copper sulfate basic, Fixed copper.
 SHIPPING NAME:
 DOT: Copper sulfate
 IATA:

II HAZARDOUS INGREDIENTS

MATERIAL OR COMPONENT	CAS NO.	%	HAZARD DATA
Copper sulfate, basic	1344-73-6	98.0	Health hazard: Product is toxic orally. It is irritating to the eye. It is not toxic dermally. Eight hour TWA for copper dusts is 1 mg/m ³ .

III PHYSICAL DATA

BOILING POINT, 760 MM HG: N.A.*
 SPECIFIC GRAVITY (H₂O = 1): N.A.
 VAPOR DENSITY (AIR = 1): N.A.
 VOLATILES BY VOL.: N.A.
 APPEARANCE AND ODOR: Greenish insoluble powder. Odor free.
 MELTING POINT: N.A.
 VAPOR PRESSURE: N.A.
 SOLUBILITY IN H₂O % BY WT: Insoluble
 EVAPORATION RATE (BUTYL ACETATE = 1):
 Ph (AS IS): N.A.
 Ph (1% SOLN.): Neutral
 * N.A.= Not Applicable

IV FIRE AND EXPLOSION DATA

FLASH POINT (TEST METHOD): N.A.
 AUTO IGNITION TEMPERATURE: N.A.
 FLAMMABLE LIMITS IN AIR, % BY VOL.:
 LOWER: N.A.
 UPPER: N.A.:
 EXTINGUISHING MATERIALS: Use dry chemical, carbon dioxide, or water fog.
 SPECIAL FIRE FIGHTING PROCEDURES: No special fire fighting procedures are known. If water is used, excess water should be contained and not allowed in streams.
 UNUSUAL FIRE AND EXPLOSION HAZARDS: No unusual fire or explosion hazards are known or expected.

V HEALTH HAZARD INFORMATION

HEALTH HAZARD DATA:
 ROUTES OF EXPOSURE:
 INHALATION:
 HAZARD CLASSIFICATION: Not determined
 BASIS FOR CLASSIFICATION:
 SOURCE:
 SKIN CONTACT:
 HAZARD CLASSIFICATION: Not determined
 BASIS FOR CLASSIFICATION:
 SOURCE:

SKIN ABSORPTION:

HAZARD CLASSIFICATION: Low
 BASIS FOR CLASSIFICATION: Acute dermal LD50 (rabbits) =
 In excess of 8,000 mg/kg.
 SOURCE: Laboratory test data.

EYE CONTACT:

HAZARD CLASSIFICATION: Primary irritant.
 BASIS FOR CLASSIFICATION: Eye irritation scores:
 (Unwashed) 24 hrs.=14.33,
 48 hrs.=13.33, 72 hrs.=3.33
 7 days=zero, 14 days=zero.
 SOURCE: Laboratory test data.

INGESTION:

HAZARD CLASSIFICATION: Moderately toxic.
 BASIS FOR CLASSIFICATION: Oral LD50 (rats)=1,000 mg/kg.
 SOURCE: Laboratory test data.

EFFECTS OF OVEREXPOSURE:

ACUTE OVEREXPOSURE: None known.
 CHRONIC OVEREXPOSURE: None known.
 EMERGENCY AND FIRST AID PROCEDURES:
 EYES: Wash eyes with large amounts of water for at least 15 minutes. See a physician as soon as possible.
 SKIN:
 INHALATION:
 INGESTION:
 NOTES TO PHYSICIAN:

VI REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY: None known.
 INCOMPATIBILITY: Mixing product with acids will solubilize product producing water soluble compounds.
 HAZARDOUS DECOMPOSITION PRODUCTS: None known.
 CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: None known.

VII DISPOSAL, SPILL OR LEAK PROCEDURES

AQUATIC TOXICITY (E.G. 96 HR. TLM):
 Daphnia LC50 24 hrs.: In excess of 320 ug/l
 LC50 48 hrs.: 89 ug/l.
 WASTE DISPOSAL METHOD: Remove waste to approved chemical landfill for disposal.
 STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: If spill is solid, sweep up and dispose in approved landfill. If liquid in contained area, neutralize and solidify with absorbent and remove to approved landfill. If spilled in a stream, contact the appropriate local, state and federal agencies.
 NEUTRALIZING CHEMICALS: Product is neutralized and insoluble. If it has been solubilized by an acid, use lime or soda ash to neutralize into insoluble product.

VIII SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS: OSHA regulations 29 CFR 1910.1000 lists the 8 hour TWA for copper dusts as 1 mg/m³.
 SPECIFIC PERSONAL PROTECTIVE EQUIPMENT:
 RESPIRATORY (SPECIFY IN DETAIL): An appropriate dust mask must be worn if TWA exceeds allowable limit.
 EYE: Chemical goggles should be worn when handling product when chance of eye contact is possible.
 GLOVES: Not known to be necessary, but gloves may be worn when handling product.
 OTHER CLOTHING AND EQUIPMENT: No other clothing or equipment is known to be necessary.

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IX SPECIAL PRECAUTIONS

PRECAUTIONARY STATEMENTS: This product is toxic to fish.
Keep out of lakes, streams, or ponds. Keep product out of reach of children. Harmful if swallowed.

OTHER HANDLING AND STORAGE REQUIREMENTS: Store product in a dry place.

ADDITIONAL REGULATORY CONCERNS:

FEDERAL:

FDA:

USDA:

CPSC:

TSCA: IS THIS PRODUCT, OR ALL ITS INGREDIENTS; BEING

CERTIFIED FOR INCLUSION ON THE TOXIC SUBSTANCES

CONTROL ACT INVENTORY OF CHEMICAL SUBSTANCES?: Yes

OTHER:

STATE: Product is registered with EPA as a pesticide.

PREPARED BY: Dr. Arthur F. Gohlke

TITLE: Technical Marketing Associate

COMPANY: Tennessee Chemical Company

APPROVED BY: Calvin Monk

REPRESENTING: Butler Sales Associates, Inc.

DATE: 12/05/93

COMPAS Code: 12500050