

MSDS DATE: 5/03/91
CHANGE NO.: 8745For Assistance, Contact:
Regulatory Affairs Dept.
PO Box 907 Ames, IA 50010
(800) 227-4224HACH COMPANY
PO BOX 907
AMES, IA 50010Emergency Telephone #
Rocky Mountain Poison Ctr.
(303) 623-5716**I. PRODUCT IDENTIFICATION**PRODUCT NAME: Sulfide Inhibitor Reagent Powder Pillows
CAS NO.: NA CHEMICAL NAME: Not applicable
FORMULA: Not applicable CHEMICAL FAMILY: Not applicable**II. INGREDIENTS**Potassium Nitrate
PCT: <95 CAS NO.: 7757-79-1 SARA: NOT LISTED
TLV: Not established PEL: Not established
RCRA: D001
HAZARD: Moderately toxic; strong oxidizerCupric Carbonate, Basic
PCT: <20 CAS NO.: 12069-69-1 SARA: LISTED
TLV: 1 mg/M3 as Cu PEL: 1 ppm as Cu
HAZARD: Moderately toxic; may cause irritation**III. PHYSICAL DATA**STATE: solid APPEARANCE: olive green powder ODOR: Not determined
SOLUBILITY IN: WATER: Almost insoluble ACID: Almost insoluble
OTHER: Not determined BOILING POINT: NA MELTING PT.: ND
SPEC GRAVITY: ND pH: of 5% soln. 8 VAPOR PRESSURE: Not applicable
VAPOR DENSITY (air=1): NA EVAPORATION RATE: NA
METAL CORROSIVITY - ALUMINUM: ND STEEL: ND STABILITY: Stable
STORAGE PRECAUTIONS: Store tightly closed in a cool, dry place.**IV. FIRE, EXPLOSION HAZARD AND REACTIVITY DATA**FLASH PT.: Not applicable METHOD: NA
FLAMMABILITY LIMITS - LOWER: NA UPPER: NA
SUSCEPTIBILITY TO SPONTANEOUS HEATING: None
SHOCK SENSITIVITY: None AUTOIGNITION PT.: ND EXTINGUISHING MEDIA: water
FIRE/EXPLOSION HAZARDS: May emit toxic fumes in fire
HAZARDOUS DECOMP. PRODUCTS: May emit toxic fumes of potassium oxide, and
nitrogen oxides in fire
OXIDIZER: strong NFPA Codes: Health: 2 Flammability: 0 Reactivity: 0
NFPA Symbol: oxy
CONDITIONS TO AVOID: Heat, flames; contact with combustible material,
organics**V. HEALTH HAZARD DATA**THIS PRODUCT MAY BE: irritating to eyes, skin and respiratory tract.
ACUTE TOXICITY: Moderately toxic
ROUTES OF EXPOSURE: Ingestion, Inhalation
TARGET ORGANS: blood, liver, kidneys
CHRONIC TOXICITY: Not determined
ROUTES OF EXPOSURE: Not determined
TARGET ORGANS: Not determined
CANCER INFORMATION: Not determined
ROUTES OF EXPOSURE: Not determined
TARGET ORGANS: Not determined
OVEREXPOSURE: May cause eye, skin and respiratory tract irritation; Large
oral doses may cause blood effects, liver and kidney damage.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None reported**VI. PRECAUTIONARY MEASURES**Avoid contact with eyes and skin.
Do not breathe dust.
Wash thoroughly after handling.
Keep away from oxidizable material.
PROTECTIVE EQUIPMENT: adequate ventilation, lab grade goggles, disposable
gloves, lab coat**VII. FIRST AID**EYE AND SKIN CONTACT: Immediately flush eyes and skin with water for 15
minutes. Remove contaminated clothing. Call physician.
INGESTION: Do NOT induce vomiting. Give 1 - 2 glasses of water. Call a
physician immediately. Never give anything by mouth to an unconscious
person.
INHALATION: Remove to fresh air. Give artificial respiration if necessary.
Call physician.**VIII. SPILL AND DISPOSAL PROCEDURES**IN CASE OF SPILL OR RELEASE: In small batches, dilute with excess water in a
beaker. Neutralize to a pH between 6 and 9 with soda ash. Flush to drain
with excess water.
DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.**IX. TRANSPORTATION DATA**D.O.T. PROPER SHIPPING NAME: Potassium Nitrate Mixture
HAZARD CLASS: Oxidizer ID: UN1486I.C.A.O. PROPER SHIPPING NAME: Potassium Nitrate Mixture
HAZARD CLASS: 5.1 ID: UN1486 GROUP: IIII.M.O. PROPER SHIPPING NAME: Potassium Nitrate Mixture
HAZARD CLASS: 5.1 ID: UN1486 GROUP: III**X. REFERENCES**

- 1) TLV's Threshold Limit Values and Biological Exposure Indices for 1988-1989. American Conference of Governmental Industrial Hygienists, 1988.
- 2) Air Contaminants, Federal Register, Vol. 54, No. 12, Thursday, January 19, 1989. pp. 2332-2983.
- 3) In-house information
- 4) Technical judgment

SPECIAL NOTE: Prior to May, 1990, this product was a white powder that
contained approximately 50% lead carbonate (1319-46-6) which is more toxic
than the current formulation. This component was subject to the same SARA
reporting requirements as cupric carbonate and is assigned RCRA number
D008.SARA: This product contains a chemical or chemicals subject to the reporting
requirements of section 313 of Title III of the Superfund Amendments and
Reauthorization Act of 1986 and 40 CFR Part 372.