

MSDS DATE: 3/16/90
CHANGE NO.: 7557

For Assistance, Contact:
Regulatory Affairs Dept.
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HACH COMPANY
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AMES, IA 50010

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Rocky Mountain Poison Ct
(303) 625-5716

10199

I. PRODUCT IDENTIFICATION

CATALOG NO.: 2219 PRODUCT NAME: Nitriver 2 Nitrite Reagent
CAS NO.: NA CHEMICAL NAME: Not applicable
FORMULA: Not applicable CHEMICAL FAMILY: Not applicable

II. INGREDIENTS

Potassium Pyrosulfate
PCT: <50 CAS NO.: 7790-62-7 SARA: NOT LISTED
TLV: Not established PEL: Not established
HAZARD: Aqueous solution is strongly acidic

Iron (II) Ethylenediammonium Sulfate, Tetrahydrate
PCT: <65 CAS NO.: 63589-59-3 SARA: NOT LISTED
TLV: 1 mg/M3 as Fe PEL: 1 mg/M3 as Fe
HAZARD: Toxicity unknown; may cause irritation

III. PHYSICAL DATA

STATE: solid APPEARANCE: Light green powder ODOR: None
SOLUBILITY IN: WATER: Soluble ACID: Not determined
OTHER: Not determined BOILING POINT: NA MELTING PT.: ND
SPEC GRAVITY: ND pH: acidic when wet VAPOR PRESSURE: Not applicable
VAPOR DENSITY (air=1): NA EVAPORATION RATE: NA
METAL CORROSIVITY - ALUMINUM: ND STEEL: ND
STABILITY: See Conditions to Avoid
STORAGE PRECAUTIONS: Store 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, carbon dioxide, or dry chemical
FIRE/EXPLOSION HAZARDS: May emit toxic fumes in fire
HAZARDOUS DECOMP. PRODUCTS: May emit toxic fumes of sulfur oxides in fire
OXIDIZER: No NFPA Codes: Health: 2 Flammability: 1 Reactivity: 0
CONDITIONS TO AVOID: Heat, contact with water or moisture

V. HEALTH HAZARD DATA

THIS PRODUCT MAY BE: corrosive to eyes, wet skin and respiratory tract.
ACUTE TOXICITY: Toxic due to corrosivity
ROUTES OF EXPOSURE: Ingestion, inhalation, contact
TARGET ORGANS: all body tissues
CHRONIC TOXICITY: Not determined
ROUTES OF EXPOSURE: Not determined
TARGET ORGANS: Not determined
CANCER INFORMATION: Not applicable
ROUTES OF EXPOSURE: Not applicable
TARGET ORGANS: Not applicable
OVEREXPOSURE: Causes burns to moist tissues
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None reported

VI. PRECAUTIONARY MEASURES

Wash thoroughly after handling.
Avoid contact with eyes, skin and clothing.
Do not breathe chemicals.
PROTECTIVE EQUIPMENT: adequate ventilation, safety glasses, disposable gloves

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 large quantities of water. Give at least 1 ounce of milk of magnesia in an equal amount of water, or the whites of 3 eggs. Never give anything by mouth to an unconscious person. Call physician.
INHALATION: Remove to fresh air. Give artificial respiration if necessary. Call physician.

VIII. SPILL AND DISPOSAL PROCEDURES

IN CASE OF SPILL OR RELEASE: Cover the contaminated surface with sodium bicarbonate or a soda ash-slaked lime mixture (50-50). Mix and add water if necessary to form a slurry. Scoop up slurry and wash the site with soda ash solution. The neutralized slurry may contain sufficient heavy metal concentration to require landfilling or treatment at an EPA approved site.
DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

IX. TRANSPORTATION DATA

D.O.T. PROPER SHIPPING NAME: Corrosive Solid, N.O.S.
(Potassium Pyrosulfate)
HAZARD CLASS: Corrosive Material ID: UN1759

I.C.A.O. PROPER SHIPPING NAME: Corrosive Solid, N.O.S. (Contains Potassium Pyrosulphate Mixture)
HAZARD CLASS: 8 ID: UN1759 GROUP: III

I.M.O. PROPER SHIPPING NAME: Corrosive Solid, N.O.S. (Contains Potassium Pyrosulphate Mixture)
HAZARD CLASS: 8 ID: UN1759 GROUP: III

X. REFERENCES

- 1) TLV's Threshold Limit Values and Biological Exposure Indices 1989. American Conference of Governmental Industrial Hygienists.
- 2) 29 CFR 1900 - 1910 (Code of Federal Regulations - Labor)
- 3) In-house information
- 4) Technical judgment