

Nitrite - Nitrate

14872

MATERIAL SAFETY DATA SHEET

For Assistance, Contact:
Regulatory Affairs Dept.
PO Box 907 Ames, IA

HACH COMPANY
PO BOX 907
AMES, IA 50010

Emergency Telephone #
(515) 232-2533

I. PRODUCT IDENTIFICATION

CATALOG NUMBER: 14872 PRODUCT NAME: Nitrite Pretreatment Reagent
CAS. NO: NA CHEMICAL NAME: Not applicable
FORMULA: Not applicable DATE: 07/16/87
CHEMICAL FAMILY: Not applicable CHANGE NO.: 6617

II. INGREDIENTS

| INGREDIENTS | I | CAS NUMBER | TLV | PEL | NATURE of HAZARD |
|---|-----|------------|-----------------|-----------------|--|
| Potassium Phosphate, Monobasic | <90 | 7778-77-0 | Not established | Not established | Moderately toxic; may cause irritation |
| Potassium Pyrosulfate | <10 | 7790-62-7 | Not established | Not established | Aqueous solution is strongly acidic |
| CDA Trisodium Salt | <10 | 36679-96-6 | Not established | Not established | Toxicity unknown; may cause irritation |
| 4,5-Dihydroxy-2,7-naphthalenedisulfonic Acid, Disodium Salt | <5 | 129-96-4 | Not established | Not established | May cause irritation |

III. PHYSICAL DATA

STATE: solid APPEARANCE: White powder ODDR: None
SOLUBILITY IN: WATER: Soluble ACID: Not determined OTHER: Not determined
BOILING PT.: NA MELTING PT.: ~173 C SPECIFIC GRAVITY: ND pH: of 5% soln. = 3.1
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 tightly closed.

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 phosphorus oxides and sulfur oxides in fire
OXIDIZER: No NFPA Codes Health: 2 Flammability: 1 Reactivity: 0
CONDITIONS TO AVOID: Heat, flames, contact with oxidizers, 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
CARCINOGEN, MUTAGEN, TERATOGEN DATA: Not applicable
ROUTES OF EXPOSURE: Not applicable
TARGET ORGANS: Not applicable

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Hach Company, WORLD HEADQUARTERS, PO Box 389, Loveland, CO 80539
Hach Europe, BP 51, B5000 Namur 1, Belgium

OVEREXPOSURE: May cause burns

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 with water for 15 minutes. Call physician. Flush skin with plenty of water.

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.

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 down the drain with excess water. Wash the site with soda ash solution.

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

IX. TRANSPORTATION DATA

PROPER SHIPPING NAME: Corrosive Solid, N.O.S.
(Potassium Pyrosulfate)

HAZARD CLASS: Corrosive Material ID: UN1759

X. REFERENCES

- 1) TLV's Threshold Limit Values for Chemical Substances in the Work Environment Adopted by ACGIH for 1986-1987. Cincinnati, 1986.
- 2) 29 CFR 1900 - 1910 (Code of Federal Regulations - Labor)
- 3) In-house information
- 4) Technical judgment

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