MATERIAL SAFETY DATA SHEET

14068

HACH COMPANY
PO BOX 607
ANNI, IA 50010

I. PRODUCT IDENTIFICATION

CATALOG NUMBER: 14068
PRODUCT NAME: Nitri-Vor 3 Nitrite Reagent
CAS NO: NA
CHEMICAL NAME: Not applicable
FORMULA: Not applicable
CHEMICAL FAMILY: Not applicable
DATE: 06/18/87
CHANGE NO: 4417

II. INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>CAS NUMBER</th>
<th>TLV</th>
<th>PEL</th>
<th>NATURE OF HAZARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Phosphate, Monobasic</td>
<td>7778-77-0</td>
<td>Not established</td>
<td>Not established</td>
<td>Irritation</td>
</tr>
<tr>
<td>Sodium Sulfamate</td>
<td>135-74-2</td>
<td>Not established</td>
<td>Not established</td>
<td>Toxicity unknown</td>
</tr>
<tr>
<td>Potassium Pyrosulfate</td>
<td>7790-62-7</td>
<td>Not established</td>
<td>Not established</td>
<td>Aqueous solution is strongly acidic</td>
</tr>
<tr>
<td>4,5-Dihydroxy-3,3-sulfanediol</td>
<td>126-94-4</td>
<td>Not established</td>
<td>Not established</td>
<td>May cause irritation</td>
</tr>
<tr>
<td>n-Nitroso Bisulfite</td>
<td>1</td>
<td>Not established</td>
<td>Not established</td>
<td>Toxicity unknown; may cause irritation</td>
</tr>
<tr>
<td>CODA Triodium Salt</td>
<td>56579-96-6</td>
<td>Not established</td>
<td>Not established</td>
<td></td>
</tr>
</tbody>
</table>

III. PHYSICAL DATA

STATE: solid
APPEARANCE: White powder
ODOR: Not determined

SOLUBILITY IN: WATER: Soluble
ACID: Not determined
OTHER: Not determined

BOILING PT: NA
MELTING PT: 224C
SPECIFIC GRAVITY: 1
PH of 5% solution: 3.2

VAPOR PRESSURE: Not applicable
VAPOR DENSITY (AIR=1): NA
EVAPORATION RATE: NA

METAL CORROSIVITY: ALUMINUM: NA
STEEL: NA
ETABILITY: 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

EXTINGUISHING MEDIA: Water, carbon dioxide, or dry chemical

FIRE/EXPLOSION HAZARDS: May emit toxic fumes in fire

HAZARDOUS DECOMPOSITION PRODUCTS: May emit toxic fumes of phosphorus oxides in fire

ODOR: No
NFPA Codes: Health 2
Flammability 0
Reactivity 1

CONDITIONS TO AVOID: Heat, moisture

V. HEALTH HAZARD DATA

THIS PRODUCT MAY BE corrosive to eyes, wet skin and respiratory tract.

ACUTE TOXICITY: Moderately toxic

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
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 with water for 15 minutes. Callphysician. 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. Give artificial respiration if necessary. Call physician.

VIII. SPILL AND DISPOSAL PROCEDURES

IN CASE OF SPILL OR RELEASE: Scoop into a drainer and dissolve in water. Pour down the drain with excess water.

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

IX. TRANSPORTATION DATA

PROPER SHIPPING NAME: Not Currently Regulated

HAZARDOUS CLASS: Not applicable

X. REFERENCES

3) In-house information
4) Technical judgment
5) 6)
7)
8)

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