

HACH CO -- NITRIVER (R) 2 NITRITE REAGENT POWDER PILLOWS -- 6810-01-445-7843

===== Product Identification =====

Product ID:NITRIVER (R) 2 NITRITE REAGENT POWDER PILLOWS

MSDS Date:02/12/1998

FSC:6810

NIIN:01-445-7843

Status Code:A

MSDS Number: CJGRD

=== Responsible Party ===

Company Name:HACH CO

Box:389

City:LOVELAND

State:CO

ZIP:80539-0389

Country:US

Info Phone Num:970-669-3050

Emergency Phone Num

:303-632-5716

Resp. Party Other MSDS Num.:M00031

CAGE:91224

=== Contractor Identification ===

Company Name:HACH CO

Address:5600 LINDBERGH DR

Box:389

City:LOVELAND

State:CO

ZIP:80539

Country:US

Phone:970-669-3050/ 303-623-5716

Contract Num:SP0450-99-M-NB21

CAGE:91224

===== Composition/Information on Ingredients =====

Ingred Name:FERROUS ETHYLENEDIAMMONIUM SULFATE

CAS:63589-59-3

Code:F

Minumum % Wt:55.

Maxumum % Wt:65.

OSHA PEL:1 MG/M3 (FE)

ACGIH TLV:1 MG/M3 (FE)

Ingred Name:P

OTASSIUM PYROSULFATE

CAS:7790-62-7

Minumum % Wt:35.

Maxumum % Wt:45.

===== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:CAUSES EYE BURNS. HARMFUL IF

SWALLOWED; MAY CAUSE LIVER DAMAGE, IRON POISONING. MAY CAUSE SKIN & RESPIRATORY TRACT IRRITATION. CHRONIC: CHRONIC OVERXPOSURE MAY CAUSE LIVER DAMAGE.

Explanation of Carcinogenicity:THIS PRODUCT DOES NOT CONTAIN ANY OSHA LISTED CARCINOGENS. THIS PRODUCT DOES NOT CONTAIN ANY IARC LISTED CHEMICALS. THIS PRODUCT DOES NOT CONTAIN ANY OSHA LISTED CHEMICALS.

Effects of Overexposure:EYES-BURNS. SKIN-IRRITATION. SKIN

ABSORPTION-NONE REPORTED. INGESTED-NAUSEA, VOMITING, DIARRHEA, LIVER DAMAGE, COAM, DEATH, PINK URINE DISCOLORATION (IRON POISONING).

Medical Cond Aggravated by Exposure:PRE-EXISTING EYE CONDITI

ONS, LIVER

CONDITIONS.

===== First Aid Measures =====

First Aid:EYES-IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. CALL A PHYSICIAN. SKIN-WASH WITH PLENTY OF SOAP & WATER. CALL PHYSICIAN IF IRRITATION DEVELOPS. INGESTED-DO NOT INDUCE VOMITING! GIVE 1-2 GLASSES OF W ATER. CALL PHYSICIAN IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. INHALED-REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NECESSARY. CALL A PHYSICIAN.

===== Fire Fighting Measures =====

Autoignition Temp:Autoignition Temp Text:N/D

Lower Limits:N/APPLICABLE

Upper Limits:N/APPLICABLE

Extinguishing Media:WATER, CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures:AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND AND FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:MAY REACT VIOLENTLY WITH: STRONG BASES, STRONG REDUCERS. CAN BURN IN A FIRE, RELEASING TOXIC VAPORS.

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===== Accidental Release Measures =====

Spill Release Procedures:STOP SPILLED MATERIAL FROM BEING RELEASED TO THE ENVIRONMENT. EVACUATE LOCAL AREA (15 FT). COVER SPILLED SOLID MATERIAL WITH SAND OR OTHER INERT MATERIAL. SCOOP UP & PLACE IN AN APPROPRIATE SIZED CONTAINER & DISSOLVE IN WATER. ADJUST PH TO 6-9 WITH ALKALI. ONLY PERSONS QUALIFIED TO RESPOND TO AN EMERGENCY INVOLVING HAZARDOUS SUBSTANCES MAY RESPOND IAW 29 CFR 1910.120(A)(V).

Neutralizing Agent:SODA ASH OR SODIUM BICARBONATE.

===== Handling and Storage =====

Handling and Storage Precautions:AVOID CONTACT WITH EYES, SKIN. DO NOT BREATHE DUST. WASH THOROUGHLY AFTER HANDLING. MAINTAIN GENERAL INDUSTRIAL HYGIENE PRACTICES WHEN USING THIS PRODUCT. PROTECT FROM HEAT, MOISTURE.

Other Precautions:EMPTY CONTAINERS: RINSE 3 TIMES WITH APPROPRIATE SOLVENT AND DISPOSE OF AS NORMAL TRASH.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:ADEQUATE VENTILATION.

Ventilation:ADEQUATE VENTILATION.

Protective Gloves:DISPOSABLE LATEX GLOVES.

Eye Protection:SAFETY GLASSES WITH TOP AND SIDE SHIELDS

Other Protective Equipment:LAB COAT, HAVE AN EYEWASH STATION NEARBY.

Work Hygienic Practices:MAINTAIN GENERAL INDUSTRIAL HYGIENE PRACTICES WHEN USING THIS PRODUCT.

Supplemental Safety and Health

AVOID CONTACT WITH: EYES, SKIN. DO NOT BREATHE: DUST. WASH THOROUGHLY AFTER HANDLING.

===== Physical/Chemical Properties =====

HCC:T6

Boiling Pt:B.P. Text:N/APPLICABLE

Melt/Freeze Pt:M.P/F.P Text:156-164C

Vapor Pres:N/APPLICABLE

Vapor Density:N/APPLICABLE

Spec Gravity:2.06

pH:1.30 (5% SOL)

Evaporation Rate & Reference:N/APPLICABLE

Solubility in Water:SOLUBLE

Appearance and Odor:SOLID, PALE GREEN POWDER WITH NO ODOR

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

INCOMPATIBLE WITH: STRONG BASES RE

DUCERS

Stability Condition to Avoid:EXCESS MOISTURE. HEATING TO DECOMPOSITION.

Hazardous Decomposition Products:TOXIC FUMES OF: SODIUM OXIDES NITROGEN OXIDES

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:LD50 9PRODUCT): NONE REPORTED. LC50 (PRODUCT): NONE REPORTED. DERMAL TOXICITY DATA: NONE REPORTED. SKIN & EYE IRRITATION DATA: NONE REPORTED. MUTATION DATA: NONE REPORTED. REPRODU CTIVE EFFECTS DATA: NONE REPORTED. INGREDIENT TOXICOLOGICAL DATA: POTASSIUM PYROSULFATE: ORAL RAT LD50=2340 MG/KG.

===== Ecological Information =====

Ecological:NO ECOLOGICAL DATA AVAILABLE FOR THIS PRODUCT. NO ECOLOGICAL DATA AVAILABLE FOR THE INGREDIENTS OF THIS PRODUCT

===== Disposal Considerations =====

Waste Disposal Methods:EPA WASTE NUMBER: NOT APPLICABLE. SPECIAL INSTRUCTIONS FOR DISPSOAL: DILUTE MATERIAL W ITH EXCESS WATER MAKING A WEAKER THAN 5% SOLUTION. ADJUST PH BETWEEN 6 & 9 WITH AN ALKALI SUCH AS SODA ASH OR SODI UM BICARBONATE. OPEN COLD WATER TAP COMPLETELY, SLOWLY POUR THE REACTED MATERIAL TO THE DRAIN.

===== MSDS Transport Information =====

Transport Information:US DOT: NOT CURRENTLY REGULATED. ICAO: NOT CURRENTLY REGULATED. IMO: NOT CURRENTLY REGULATED.

===== Regulatory Information =====

SARA Title III I

nformation:SARA 311/312 (40 CFR 370): IMMEDIATE (ACUTE) HEALTH HAZARD; DELAYED (CHRONIC) HEALTH HAZARD. SARA 313 (40 CFR 372): THIS PRODUCT DOES NOT CONTAIN ANY CHEMICAL SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF SARA.

Federal Regulatory Information:302 EHS TPQ (40 CFR 355): NOT APPLICABLE. 304 CERCLA RQ (40 CFR 302.4): NOT APPLICABLE. 304 EHS RQ (40 CFR 355): NOT APPLICABLE. CLEAN WATER ACT (40 CFR 116.4): NOT APPLICABLE. RCRA: CONTAINS NO RCRA

REGULATED SUBSTANCES. CPSC:

NOT REGULATED. US INVENTORY STATUS: ALL INGREDIENTS IN THIS PRODUCT
ARE LISTED ON THE TSCA 8(B) INVENTORY (40 CFR 710). TSCA CAS
NUMBER: NOT APPLICABLE.

State Regulatory Information: CALIFORNIA PROP. 65: NO PROP. 65 LISTED
CHEMICALS ARE PRESENT IN THIS PRODUCT. IDENTIFICATION OF PROP. 65
INGREDIENTS: NOT APPLICABLE. TRADE SECRET REGISTRY: NOT APPLICABLE.

===== Other Information =====

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