

HACH COMPANY -- 21055, DPD FREE CHLORINE REAGENT POWDER PILLO

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MSDS Safety Information
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FSC: 6550
NIIN: 01-456-8981
MSDS Date: 06/12/1996
MSDS Num: CKNGD
Product ID: 21055, DPD FREE CHLORINE REAGENT POWDER PILLOWS
MFN: 01
Responsible Party
Cage: 91224
Name: HACH COMPANY
Box: 389
City: LOVELAND CO 80539
In
fo Phone Number: 970-669-3050
Emergency Phone Number: 303-623-5716
Resp. Party Other MSDS No.: M00109
Proprietary Ind: Y
Review Ind: Y
Published: Y

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Contractor Summary
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Cage: 91224
Name: HACH CO
Address: 5600 LINDBERGH DR
Box: 389
City: LOVELAND CO 80539
Phone: 970-669-3050/ 303-623-5716

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Item Description Information
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Item Name: CHLORINE TEST REAGENT
Unit of Issue: PG
Quantitative Expression: 00000000100EA
UI Container Qty: 1
Type of Container: FOIL PACK

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Ingredients
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Name: *** PROPRIETARY ***

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Health Hazards Data
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LD50

LC50 Mixture: NONE REPORTED

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: TARGET ORGANS: NONE REPORTED. EYE: MAY CAUSE IRRITATION.

SKIN: MAY CAUSE IRRITATION. MAY CAUSE ALLERGIC REACTION. SKIN ABSORPTION:

NONE REPORTED. INGESTION: DPD ORAL RAT LD50 STUDIES REVEALED DECREASE D
LOCOMOTOR ACTIVITY, DEPRESSED RESPIRATION, MUSCLE SPASMS, LOSS OF RIGHTING
REFLEX & DEATH. AUTOPSIES REVEALED ULCERATED STOMACH, ENTERITIS, GAS
& CONGESTED LUNGS. INHALATION: MAY C

AUSE: RESPIRATORY TRACT IRRITATION.

EFFECTS SILILAR TO THOSE OF INGESTION. CHRONIC: DPD MAY CAUSE ALLERGIC SKIN
REACTIONS IN SOME PEOPLE CAUSING SEVERE SKIN RASHES & ITCHING.

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 NTP LISTED CHEMICALS.

Signs And Symptoms Of Overexposure: EYE: MAY CAUSE IRRITATION. SKIN: MAY CAUSE
IRRITATION. MAY CAUSE ALLERGIC

REACTION. SKIN ABSORPTION: NONE REPORTED.

INGESTION: DPD ORAL RAT LD50 STUDIES REVEALED DECREASED LOCOMOTOR ACTIVITY,
DEPRESSE D RESPIRATION, MUSCLE SPASMS, LOSS OF RIGHTING RELFEX & DEATH.
AUTOPSIES REVEALED ULCERATED STOMACH, ENTERITIS, GAS & CONGESTED LUNGS.
INHALATION: MAY CAUSE: RESPIRATORY TRACT IRRITATION. EFFECTS SILI LAR TO
THOSE OF INGESTION.

Medical Cond Aggravated By Exposure: ALLERGY OR SENSITIVITY TO SALTS OF
N,N-DIETHYL-P-PHENYLENDEIAMINE. PRE-EXISTING: EYE CO

NDITIONS, SKIN

CONDITIONS, RESPIRATORY CONDITIONS.

First Aid: EYE: IMMEDIATELY FLUSH EYES WITH WATER FOR 15 MINUTES. CALL

PHYSICIAN. SKIN: WASH SKIN WITH SOAP & PLENTY OF WATER. CALL PHYSICIAN IF
IRRITATION DEVELOPS. INGESTION: GIVE 1 TO 2 GLASSES OF WATER. CALL PHYSICIAN
IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

INHALATION: REMOVE TO FRESH AIR.

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Handling and Disposal

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Spill Release Procedures: ONLY TRAINED & QUALIFIED PERSONNEL SHOULD RESPOND
TO SPILLS. EVACUATE AS NEEDED TO PERFORM SPILL CLEAN-UP. STOP SPILLED
MATERIAL FROM BEING RELEASED TO THE ENVIRONMENT. SCOOP UP SPILLED MATERIAL
INTO A LARGE BEAKER & DISSOLVE IN WATER. FLUSH REACTED MATERIAL TO THE
DRAIN WITH A LARGE EXCESS OF WATER. DECONTAMINATE SPILL AREA WITH A SOAP
SOLUTION.

Waste Disposal Methods: DILUTE TO 3 TO 5 TIMES THE VOLUME WITH COLD WATER. OPEN
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OLD WATER TAP COMPLETELY, SLOWLY POUR THE MATERIAL TO THE DRAIN. ALLOW COLD WATER TO RUN FOR 5 MINS TO COMPLETELY FLUSH THE SYSTEM. EMPTY CONTAINERS: RINSE THREE TIMES WITH AN APPROPRIATE SOLVENT. DISPOSE OF EMPTY CONTAINER AS NORMAL TRASH.

Other Precautions: MIXTURE CONTAINS A COMPONENT WHICH IS REGULATED AS A WATER POLLUTANT.

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Fire and Explosion Hazard Information
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Autoignit

ion Temp Text: N/D

Extinguishing Media: USE MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.

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

Unusual Fire/Explosion Hazard: NONE REPORTED. FLAMMABLE PROPERTIES: CAN BURN IN A FIRE, RELEASING TOXIC VAPORS.

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Control Measures
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Respiratory Protection: ADEQUATE VENTILATION.

Ventilation: USE GENERAL VENTILATION TO MINIMIZE EXPOSURE TO MIST, VAPOR, OR DUST.

Protective Gloves: DISPOSABLE LATEX GLOVES.

Eye Protection: SAFETY GLASSES WITH TOP & SIDE SHIELDS.

Other Protective Equipment: HAVE AN EYE WASH STATION & SAFETY SHOWER NEARBY. LAB COAT.

Work Hygienic Practices: MAINTAIN GENERAL INDUSTRIAL HYGIENE PRACTICES WHEN USING THIS PRODUCT. AVOID CONTACT WITH EYES, SKIN & CLOTHES. DO NOT BREATHE DUST. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety a

nd Health: PROTECT FROM LIGHT, HEAT, MOISTURE.

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Physical/Chemical Properties
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HCC: N1

Melt/Freeze Pt: =110.C, 230.F

M.P/F.P Text: DECOMP

Spec Gravity: 1.76 (WATER=1)

PH: 1% SOL=6.40

Solubility in Water: SOLUBLE

Appearance and Odor: SOLID, WHITE OR LIGHT PINK POWDER. NO ODOR

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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: STABLE WHEN STORED UNDER PROPER CONDITIONS. AVOID EXPOSURE TO LIGHT, EXCESS MOISTURE, HEATING TO DECOMPOSITION.

Materials To Avoid: NONE REPORTED

Hazardous Decomposition Products: HEATING TO DECOMPOSITION RELEASES TOXIC &/OR CORROSIVE FUMES OF: CARBON DIOXIDE, CARBON MONOXIDE, PHOSPHORUS OXIDES.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR

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Toxicological Information

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Toxicological Information: LD50: NONE REPORTED. LC50: NONE REPORTED. DERMAL TOXICITY: NONE REPORTED. SKIN AND EYE IRRITATION DATA: NONE REPORTED. MUTATION DATA: NONE REPORTED. REPRODUCTIVE EFFECTS DATA: NONE REPORTED. INGREDIENT TOXICOLOGICAL DATA: SALT OF DPD ORAL RAT LD50: 970 MG/KG; SODIUM PHOSPHATE DIBASIC ORAL RAT LD50: 17G/KG; EDTA DISODIUM SALT ORAL RAT LD50: 2000 MG/KG.

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Ecological Information

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

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MSDS Transport Information

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Transport Information: US DOT/IMDG/ICAO: NOT CURRENTLY REGULATED.

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Regulatory Information

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Federal Regulatory Information: RCRA: CONTAINS NO RCRA REGULATED SUBSTANCES. CLEAN WATER ACT (40 CFR 116.4): SODIUM PHOSPHATE, DIBASIC- RQ = 5000 LBS.

State Regulatory Information: CALIFORNIA PROPOSITION 65: NO CALIFORNIA PROPOSITION 65 LISTED CHEMICALS ARE PRESENT IN THIS PRODUCT. NEW JERSEY TRADE SECRET REGISTRY NUMBER: 80100131-5001 (CARBOXYLATE SALT); 80100131-5002 (DPD SALT). NEW YORK TRADE SECRET REGISTRY NUMBER 478 (DPD SALT), NEW YORK TRADE SECRET REGISTRY NUMBER 479 (CARBOXYLATE SALT). THIS PRODUCT COMPLIES WITH PENNSYLVANIA TRADE SECRET REGULATIONS. THIS PRODUCT IS REGISTERED AS A TRADE SECRET IN THE STATE OF ILLINOIS. THIS PRODUCT IS REGISTERED AS A TRADE SECRET IN THE STATE OF MASSACHUSETTS. THIS PRODUCT IS REGISTERED AS A TRADE SECRET IN THE STATE OF NEW YORK.

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Other Information

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Other Information: INTENDED USE: DETERMINATION OF FREE CHLORINE. LEGEND: NA OR
N/A=NOT APPLICABLE. ND OR N/D= NOT DETERMINED. NV OR N/AV=NOT AVAILABLE.
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Transportation Information
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Responsible Party Cage: 91224
Trans ID NO: 153388
Product ID: 21055, DPD FREE CHLORINE REAGENT POWDER PILLOWS
MSDS Prepared Date: 06/12/1996
Review Date: 06/06/2000
MFN: 1
Multiple KI
T Number: 0
Unit Of Issue: PG
Container QTY: 1
Type Of Container: FOIL PACK
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Detail DOT Information
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DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail IMO Information
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IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR T
HIS MODE OF TRANSPORTATION
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Detail IATA Information
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IATA PSN Code: ZZZ
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail AFI Information
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AFI PSN Code: ZZZ
AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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HAZCOM Label
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Product ID: 21055, DPD FREE CHLORINE REAGENT POWDER PILLOWS
Cage: 91224
Company Name: HACH CO
Street: 5600 LINDBERGH DR
PO Box: 389
City: LOVELAND CO
Zipcode: 80539
Health Emergency Phone: 303-623-5716
Label Required IND: Y
Date Of Label Review: 06/06/2000
Status Code: A
Origination Code: F
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: CAUTION
Respiratory Protection IND: NO
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Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS: NONE REPORTED. EYE: MAY CAUSE IRRITATION. SKIN: MAY CAUSE IRRITATION. MAY CAUSE ALLERGIC REACTION. SKIN ABSORPTION: NONE REPORTED. INGESTION: DPD ORAL RAT LD50 STUDIES REVEALED DECREASED LOCOMOTOR ACTIVITY, DEPRESSED RESPIRATION, MUSCLE SPASMS, LOSS OF RIGHTING REFLEX & DEATH. AUTOPSIES REVEALED ULCERATED STOMACH, ENTERITIS, GAS & CONGESTED LUNGS. INHALATION: MAY CAUSE: RESPIRATORY TRACT IRRITATION. EFFECTS SIMILAR TO THOSE OF INGESTION. CHRONIC: DPD MAY CAUSE ALLERGIC SKIN REACTIONS IN SOME PEOPLE CAUSING SEVERE SKIN RASHES & ITCHING.

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