

HACH CO -- DPD TOTAL CHLORINE REAGNET POWDER PILLOWS

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MSDS Safety Information
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FSC: 6810
NIIN: 01-183-4634
MSDS Date: 05/19/2000
MSDS Num: CJDLJ
Product ID: DPD TOTAL CHLORINE REAGNET POWDER PILLOWS
MFN: 01
Responsible Party
Cage: 91224
Name: HACH CO
Box: 389
City: LOVELAND CO 80539-0389
Info Phone Number: 970-669-3050
Emergency Phone Number: 515-232-2533/303-623-5716
Resp. Party Other MSDS No.: MSDS NUMBER: M00110

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Item Description Information
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Item Manager: S9G
Item Name: POWDER PILLOWS,CHLORINE REAGENT
Unit of Issue: BX
Quantitative Expression: 00000000100PI
UI Container Qty: 0
Type of Container: BOX

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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: ORAL LD50 (RAT, FEMALE) IS 4700 MG/KG.
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: TARGET ORGANS: LIVER. EYE CONTACT: MAY CAUSE IRRITATION.
SKIN CONTACT: MAY CAUSE IRRITATION, ALLERGIC REACTION. INGESTION: CAUSES

LETHARGY, LOSS OF STRENGTH AND COORDINATION, DIFFICULT BREATHING, DIARRHEA. MAY CAUSE IODISM, WITH SYMPTOMS OF SKIN RASH, CONJUNCTIVITIS, RUNNY NOSE, SNEEZING, BRONCHITIS, HEADACHE, FEVER, IRRITATION OF MUCOUS MEMBRANES. DPD STUDIES REVEALED DECREASED LOCOMOTOR ACTIVITY, DEPRESSED RESPIRATION, MUSCLE SPASMS AND DEATH. INHALATION: MAY CAUSE RESPIRATORY IRRITATION, EFFECTS SIMILAR TO THOSE OF INGESTION. CHRONIC: MAY CAUSE ALLERGIC SKIN REACTIONS, HYPOTHYROIDISM, LIVER DAMAGE.

Expl

ation 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 NTP LISTED CHEMICALS. MATERNAL INGESTION OF POTASSIUM IODIDE DURING PREGNANCY MAY CAUSE CONGENITAL GOITER AND HYPOTHYROIDISM IN THE NEWBORN INFANT.

Signs And Symptoms Of Overexposure: EYE CONTACT: MAY CAUSE IRRITATION. SKIN CONTACT: MAY CAUSE IRRITATION, ALLERGIC REACTION. INGESTION: CAUSES LETHARGY, LOSS O

F STRENGTH AND COORDINATION, DIFFICULT BREATHING, DIARRHEA. MAY CAUSE IODISM, WITH SYMPTOMS OF SKIN RASH, CONJUNCTIVITIS, RUNNY NOSE, SNEEZING, BRONCHITIS, HEADACHE, FEVER, IRRITATION OF MUCOUS MEMBRANES. DPD STUDIES REVEALED DECREASED LOCOMOTOR ACTIVITY, DEPRESSED RESPIRATION, MUSCLE SPASMS AND DEATH. INHALATION: MAY CAUSE RESPIRATORY IRRITATION, EFFECTS SIMILAR TO THOSE OF INGESTION.

Medical Cond Aggravated By Exposure: ALLERGY OR SENSITIVITY TO SALTS OF N,N-DIETHYL-P-PHENYLENE

IAMINE; PREEXISTING EYE, SKIN AND RESPIRATORY CONDITIONS.

PERSONS WITH PRE-EXISTING RESPIRATORY CONDITIONS MAY BE MORE SUSCEPTIBLE..

First Aid: EYE CONTACT: IMMEDIATELY FLUSH EYES WITH WATER FOR 15 MINUTES. CALL PHYSICIAN. SKIN CONTACT (FIRST AID): WASH SKIN WITH SOAP AND PLENTY OF WATER. CALL PHYSICIAN IF IRRITATION DEVELOPS. INGESTION (FIRST AID): GIVE 1-2 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 PERSONS QUALIFIED TO RESPOND TO AN EMERGENCY INVOLVING HAZARDOUS SUBSTANCES MAY RESPOND. EVACUATE AS NEEDED. STOP SPILLS FROM BEING RELEASED TO ENVIRONMENT. SCOOP UP SPILLS INTO A LARGE BEAKER AND DISSOLVE WITH WATER. FLUSH REACTED MATERIAL TO DRAIN WITH A LARGE EXCESS OF WATER. DECONTAMINATE THE AREA OF SPILL WITH A S

OAP SOLUTION. CONTAINS A COMPONENT WHICH IS REGULATED AS A WATER POLLUTANT.

Neutralizing Agent: NOT RELEVANT

Waste Disposal Methods: DILUTE TO 3 TO 5 TIMES THE VOLUME WITH COLD WATER. OPEN COLD WATER TAP COMPLETELY, SLOWLY POUR THE MATERIAL TO THE DRAIN. ALLOW COLD WATER TO RUN FOR 5 MINUTES TO COMPLETELY FLUSH THE SYSTEM. EMPTY CONTAINER: RINSE THREE TIMES WITH AN APPROPRIATE SOLVENT. DISPOSE OF AS NORMAL TRASH. CONSULT YOUR LOCAL ENVIRONMENTAL REGULATORS FOR MORE INFORMATION.

Handling And Storage Precautions: AVOID CONTACT WITH THE EYES, SKIN AND CLOTHING. DO NOT BREATHE DUST. WASH THOROUGHLY AFTER HANDLING. MAINTAIN GENERAL INDUSTRIAL HYGIENE PRACTICES WHEN USING THIS PRODUCT. STORE BETWEEN 10 AND 25C. PROTECT FROM LIGHT, HEAT, MOISTURE.

Other Precautions: NOT PROVIDED

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Fire and Explosion Hazard Information
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Autoignition Temp Text: N/D

Extinguishing Media: U

USE MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.

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

Unusual Fire/Explosion Hazard: NONE REPORTED.

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Control Measures
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Respiratory Protection: ADEQUATE VENTILATION.

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

Protective Gloves:

DISPOSABLE LATEX GLOVES.

Eye Protection: SAFETY GLASSES WITH TOP AND SIDE SHIELDS.

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

Work Hygienic Practices: AVOID CONTACT WITH EYES, SKIN, CLOTHING. DO NOT BREATHE DUST. WASH THOROUGHLY AFTER HANDLING. PROTECT FROM LIGHT, HEAT, MOISTURE.

Supplemental Safety and Health: P/N: 1406499. NOTICE (DISPOSAL): THESE DISPOSAL GUIDELINES ARE BASED ON FEDERAL REGULATIONS AND MAY BE SUPERSEDED BY MORE STRINGENT STATE AND LOCAL REQUIREMENTS.

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Physical/Chemical Properties
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HCC: N1

NRC/State LIC No: NOT RELEVANT

Melt/Freeze Pt: =145.C, 293.F

Decomp Text: NOT PROVIDED

Vapor Density: NOT APPLIC

Spec Gravity: 1.79 (WATER=1)

PH: 6.39 (1% SOL)

Solubility in Water: SOLUBLE

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

Corrosion Rate: STEEL:0.038 IN/YR
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Reactivity Data

Stability Indicator: YES

Stability Condition To Avoid: EXPOSURE TO LIGHT, EXCESS MOISTURE, EXTREME TEMPERATURES.

Materials To Avoid: OXIDIZERS.

Hazardous Decomposition Products: HEATING TO DECOMPOSITION RELEASES TOXIC AND/OR CORROSIVE FUMES OF: CARBON DIOXIDE CARBON MONOXIDE IODINE COMPOUNDS PHOSPHORUS OXIDES POTASSIUM OXIDE, SODIUM MONOXIDE.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NONE.

Toxicological Information

Toxicological Information: PRODUCT TOXICOLOGICAL DATA: LD50: ORAL RAT (FEMALE) LD50 = 4700 MG/KG; ORAL RAT (MALE) LD50 = 7000 MG/KG. LC50: NONE REPORTED. DERMAL TOXICITY DATA: NONE REPORTED. SKIN AND EYE IRRITATION DATA: NONE REPORTED. MUTATION DATA: NONE REPORTED. REPRODUCTIVE EFFECTS DATA: NONE REPORTED. INGREDIENT TOXICOLOGICAL DATA: DPD ORAL RAT LD50 = 970 MG/KG; POTASSIUM IODIDE ORAL MOUSE LDLO = 1862 MG/KG; SODIUM PHOSPHATE, DIBASIC ORAL RAT LD50 = 17 G/KG

Ecological Information

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

MSDS Transport Information

Transport Information: D.O.T.: D.O.T. PROPER SHIPPING NAME: NOT CURRENTLY REGULATED. DOT HAZARD CLASS: NA. DOT SUBSIDIARY RISK: NA. DOT ID NUMBER: NA. DOT PACKING GROUP: NA. I.C.A.O.: I.C.A.O. PROPER SHIPPING NAME: NOT CURRENTLY REGULATED ICAO HAZARD CLASS: NA. ICAO SUBSIDIARY RISK: NA. ICAO ID NUMBER: NA. ICAO PACKING GROUP: NA. I.M.O.: I.M.O. PROPER SHIPPING NAME: NOT CURRENTLY REGULATED

TED. I.M.O. HAZARD CLASS: NA. I.M.O. SUBSIDIARY RISK: NA.
I.M.O. ID NUMBER: NA. I.M.O. PACKING GROUP: NA.

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Regulatory Information
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State Regulatory Information: CALIFORNIA PROP. 65: NO PROP. 65 LISTED CHEMICALS
ARE PRESENT IN THIS PRODUCT. TRADE SECRET REGISTRY: NEW JERSEY TRADE SECRET
REGISTRY NUMBER 80100131-5001 (CARBOXYLATE SALT) NEW JERSEY TRADE SECRET R
EGISTRY NUMBER 801
00131-5002 (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 PROD
UCT 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 Inform
ation
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Other Information: INTENDED USE: INDICATOR FOR TOTAL CHLORINE. MAY CAUSE EYE
AND RESPIRATORY TRACT IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. USER
RESPONSIBILITY: EACH USER SHOULD READ AND UNDERSTAND THIS INFORMATIO N AND
INCORPORATE IT IN INDIVIDUAL SITE SAFETY PROGRAMS IN ACCORDANCE WITH
APPLICABLE HAZARD COMMUNICATION STANDARDS AND REGULATIONS.

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Transportation Info
rmation
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Responsible Party Cage: 91224
Trans ID NO: 139823
Product ID: DPD TOTAL CHLORINE REAGNET POWDER PILLOWS
MSDS Prepared Date: 05/19/2000
Review Date: 08/22/2000
MFN: 1
Multiple KIT Number: 0
Unit Of Issue: BX
Container QTY: 0
Type Of Container: BOX
Additional Data: NOT REGULATED FOR TRANSPORTATION, PER MSDS.

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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 THIS 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: DPD TOTAL CHLORINE REAGNET POWDER PILLOWS

Cage: 91224

Company Name: HACH CO

Street: 5

600 LINDBERGH DR

PO Box: 389

City: LOVELAND CO

Zipcode: 80539

Health Emergency Phone: 515-232-2533/303-623-5716

Label Required IND: Y

Date Of Label Review: 08/22/2000

Status Code: C

MFG Label NO: NOT PROVIDED

Year Procured: 2000

Origination Code: F

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: WARNING

Respiratory Protection IND: NO

Health Hazard: Moderate

Contact Hazard: Slight

Fire Hazard: None

Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS:

N/P. FIRST AID: EYE CONTACT: IMMEDIATELY

FLUSH EYES WITH WATER FOR 15 MINUTES. CALL PHYSICIAN. SKIN CONTACT (FIRST AID): WASH SKIN WITH SOAP AND PLENTY OF WATER. CALL PHYSICIAN IF IRRITATION DEVELOPS. INGESTION (FIRST AID): GIVE 1-2 GLASSES OF WATER. CALL PHYSICIAN IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. INHALATION: REMOVE TO FRESH AIR.--SPILL= ONLY PERSONS QUALIFIED TO RESPOND TO AN EMERGENCY INVOLVING HAZARDOUS SUBSTANCES MAY RESPOND. EVACUATE AS NEEDED. STOP SPILLS FROM BEING RELEASED TO ENVIRONMENT.

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