

VAN WATERS AND ROGERS INC -- INDUCLOR -- 6810-01-358-4336

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Product Identification
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Product ID:INDUCLOR

MSDS Date:09/29/1994

FSC:6810

NIIN:01-358-4336

MSDS Number: BZLNW

=== Responsible Party ===

Company Name:VAN WATERS AND ROGERS INC

Address:6100 CARILLON POINT

City:KIRKLAND

State:WA

ZIP:98033

Country:US

Info Phone Num:206-889-3400

Emergency Phone Num:206-889-3400

CAGE:0STM5

=== Contrac

tor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

Company Name:VOPAK USA INC

Address:6100 CARILLON POINT

Box:City:KIRKLAND

State:WA

ZIP:98033-7357

Country:US

Phone:425-889-3400/425-889-3617

CAGE:0STM5

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Composition/Information on Ingredients
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Ingred Name:CALCIUM HYPOCHLORITE (CERCLA)

CAS:7778-54-3

RTECS #:NH3485000

Fraction by Wt: 65%

Ot

her REC Limits:NONE RECOMMENDED
OSHA PEL:0.5 PPM (CL)
ACGIH TLV:0.5PPM/1STEL(CL)9596
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:INERT INGREDIENTS
Fraction by Wt: 35%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 850 MG/KG (RTECS).
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKI
N, RESPIRATORY &
GI TRACTS. ACUTE- DUST MAY IRRITATE RESPIRATORY TRACT CAUSING
SHORTNESS OF BREATH, COUGHING. CORROSIVE TO EYES/SKIN. MAY CAUSE
SEVERE EYE IRRITATION & EVEN BLIND NESS. SKIN CONTACT MAY CAUSE
TISSUE DESTRUCTION. IF SWALLOWED, CAUSES SEVERE BURNS OF GI TRACT.
CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE
Effects of Overexposure:SEVERE IRRITATION, PAIN, ULCERATION, TEARING,
BLINDNESS, SHORTNESS OF BREATH, COUGH, PULMONARY EDEMA, SORE
THROAT, NASA
L CONGESTION, LARYNGITIS
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS OR EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE
MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:REMOVE TO FRESH
AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:IMMEDIATELY FLUSH WITH
WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. CALL PHYSICIAN. SKIN:FLUSH
WITH PL ENTY OF WATER. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS,
DRINK LARGE AMOUNT OF WATER & ANY COMMON COOKING (VEGETABLE) OIL,
IF AVAILABLE. GET MEDICAL ATTENTION OR TAKE VICTIM TO A HOSPITAL
IMMEDIATELY

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

Flash Point:NONE
Extinguishing Media:WATER ONLY. SMOTHERING INEFFECTIVE. PRODUCT
SUPPLIES OXYGEN. USE WATER SPRAY TO KEEP FIRE EXPOSED CONTAINERS
COOL.
Fire Fighting Procedures:WEAR PROTECTIVE CLOTH

ING AND NIOSH-APPROVED

SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:DECOMPOSES RELEASING OXYGEN GAS. CONTAINERS MAY RUPTURE.

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

Spill Release Procedures:WEAR PROPER PROTECTIVE EQUIPMENT. VENTILATE AREA. PICK UP DRY SPILL WITH DRY SHOVEL. PLACE INTO DRY CONTAINER AND COVER. KEEP COMBUSTIBLE AWAY. DO NOT TOUCH SPILL. CONTAMINATED

SPILL MAY BE DISSOLVED IN WATER & NEUTRALIZED WITH 35% HYDROGEN PEROXIDE.

Neutralizing Agent:35% HYDROGEN PEROXIDE SOLUTION

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

Handling and Storage Precautions:STORE IN COOL, DRY, VENTILATED AREA AWAY FROM COMBUSTIBLE AND INCOMPATIBLE MATERIALS. KEEP CONTAINER TIGHTLY CLOSED. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:DO NOT TAKE INTERNALLY. AVOID CONTACT WITH EYES, SKIN OR CLOTHING. USE IN WELL VENTILATED AREAS. DO NOT GENERATE DUST.

AVOID BREATHING DUST. CAUSES SEVERE IRRITATION AND PAIN. WASH THOROUGHLY AFTER HANDLING. BACTERICIDE. FOR SWIMMING POOL.

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

Respiratory Protection:NONE NORMALLY REQUIRED. IF DUSTY CONDITIONS PREVAIL, WEAR NIOSH-APPROVED RESPIRATOR WITH ACID GAS CARTRIDGE AND DUST PREFILTER.

Ventilation:USE LOCAL EXHAUST VENTILATION TO MINIMIZE DUST AND CHLORINE LEVELS.

Protective Gloves:NEOPRENE, PVC, RUBBER

Eye Protection:DUST-RESISTANT SAFETY GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING, EYE-WASH FACILITIES, SAFETY SHOWER.

Work Hygienic Practices:GOOD PERSONAL HYGIENE PRACTICES REQUIRE THAT GROSS AMOUNT OF ANY CHEMICAL BE REMOVED FROM THE SKIN AS SOON AS PRACTICAL.

Supplemental Safety and Health

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

HCC:D1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:DECOMPOSES

Melt/Freeze Pt:M.P/F.P Text:D

ECOMPOSES

Decomp Temp:Decomp Text:356F,180C

Spec Gravity:1.04 - 1.07

pH:ALKALI

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:217 G/L @ 27C/81F

Appearance and Odor:WHITE POWDER WITH SLIGHT CHLORINE ODOR

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

Stability Indicator/Materials to Avoid:NO

ACIDS, COMBUSTIBLES, ORGANICS, REDUCING AGENTS, AMMONIA

Stability Condition to Avoid:CONTAMINATION OR EXCESSIVE HEAT ABOVE
177C/351F

Hazard

ous Decomposition Products:CHLORINE GAS, OXYGEN

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

Waste Disposal Methods:CONSULT LOCAL AUTHORITIES. DISPOSAL MUST BE IN
ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. NEUTRALIZED
SOLUTION MY BE FLUSHED TO SEWER WITH PLENTY OF WATER, IF PERMITTED.

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