

VAN WATERS AND ROGERS INC -- INDUCLOR -- 6810-00-255-0471

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Product Identification
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Product ID:INDUCLOR

MSDS Date:09/29/1994

FSC:6810

NIIN:00-255-0471

MSDS Number: BYRQQ

=== Responsible Party ===

Company Name:VAN WATERS AND ROGERS INC

Address:6100 CARILLON PT

City:KIRKLAND

State:WA

ZIP:98033

Country:US

Info Phone Num:206-889-3400

Emergency Phone Num:206-889-3400/800-424-9300(CHEMTREC)

CA

GE:0STM5

=== Contractor 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:PPG INDUSTRIES INC

Address:ONE PPG PLACE

Box:City:PITTSBURGH

State:PA

ZIP:15272

Country:US

Phone:1-800-245-2974 (CAL HYPO)

CAGE:47695

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); 65% AVAILABLE CHLORINE
CAS:7778-54-3
RTECS #:NH3485000
Fraction by Wt: 65%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.5 PPM (CL)
ACGIH TLV:0.5PPM/1STEL(CL)9495
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:INERT INGREDIENTS INCLUDING 5.5 - 10% MOISTURE
Fraction by Wt: 35%
Other REC Limits:NONE RECOMMENDED

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 5.5-
10%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:NOT RELEVANT
ACGIH TLV:NOT RELEVANT

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Hazards Identification
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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, SKIN, RESPIRATORY &
GI TRACTS. ACUTE- DUST MAY IRRITATE RESPIRATORY TRACT CAUSING
SHORTNESS OF BREATH, COUGHING. CORROSI
VE TO EYES/SKIN. MAY CAUSE
SEVERE EYE IRRITATION & EVEN BLINDNESS. 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, NASAL 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
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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 (VEG ETABLE) OIL, IF AVAILABLE. GET MEDICAL ATTENTION OR TAKE VICTIM TO A HOSPITAL IMMEDIATELY

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Fire Fighting Measures
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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 CLOTHING 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.

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Accidental Release Measures
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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 SOLU TION

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Handling and Storage
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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 HA NDLIN

G. BACTERICIDE. FOR SWIMMING POOL.

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===== 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

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===== 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:DECOMPOSES

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

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===== 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

Hazardous Decomposition Products:CHLORINE GAS, OXYGEN

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

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

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