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VAN WATERS AND ROGERS INC -- SODIUM BICARBONATE -- 6810-00-241-1143

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

Product ID:SODIUM BICARBONATE

MSDS Date:07/21/1993

FSC:6810

NIIN:00-241-1143

MSDS Number: BYRQN === 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:206-889-3400/800-42

4-9300(CHEMTREC)

CAGE: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: 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

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

Ingred Name: SODIUM BICARBONATE

CAS:144-55-8 RTECS #:VZ095

0000 Fraction by Wt: 100% Other REC Limits:NONE RECOMMENDED
============ Hazards Identification =============
LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 4220 MG/KG. (RTECS) Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:TARGET ORGANS:EYES, RESPIRATORY & GI TRACT. ACUTE- MAY CAUSE EYE IRRITATION. DUSTS MAY CAUSE IRRITATION OF RESPIRATORY TRACT. SODIUM BICARBONATE IS A SAFE FOOD IN GREDIENT. NO SIGNIFICANT TOXICITY IS E XPECTED. CHRONIC- LARGE DOSES CAN PRODUCE SYSTEMIC ALKALOSIS IN PATIENT WITH RENAL INSUFFICIENCY. Explanation of Carcinogenicity:NONE Effects of Overexposure:IRRITATION, COUGHING, REDNESS OF EYES AND PAIN, BLURRED VISION, NAUSEA, VOMITING, ABDOMINAL PAIN 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:GET MEDICAL HELP IF NEEDED. EYES:FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS OPEN. SKIN:FLUSH WITH PLENTY OF WATER. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NECESSARY. ORAL:IF CON SCIOUS, DRINK PLENTY OF WATER. TREATMENT FOLLOWS STANDARD PROTOCOLS AND IS OTHERWISE SYSTOMATIC AND SUPPORTIVE.
============= Fire Fighting Measures ==============
Flash Point:NONE E xtinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.
CUNTAINERS.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures: SWEEP UP MATERIAL AS MUCH AS POSSIBLE FOR SALVAGE OR DISPOSAL. WASH AWAY RESIDUE WITH WATER. VENTILATE AREA.

Neutralizing Agent:WEAK ACID
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Handling and Storage Precautions:STORE IN DRY PLACE. KEEP CONTAINER TIGHTLY CLOSED AWAY FROM INCOMPATIBLE MATERIALS. KEEP OUT OF REACH OF CHILDREN.
Other Precautions:AVOID BREATHING DUST. DO NOT GET IN EYE, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. USE WITH ADEQUATE VENTILATION.
====== Exposure Controls/Personal Protection ======
Respiratory Protection:NONE NORMALLY REQUIRED. IF WORKPLACE EXPOSURE LIMIT IS EXCEEDED (DUST TLV OF 10 MG/M3), A NIOSH-APPROVED DUST RESPIRATOR OR AIR SUPPLIED RESPIRATOR IS ADVISED. Ventilation:ADEQUATE
Protective Gloves:PLASTIC GLOVE RECOMMENDED
Eye Protection:DUST-RESISTANT GOGGLES Other Protective Equipment:EYE WASH STATION, EMERGENCY SHOWER, NORMAL
WORK CLOTHING COVERING ARMS AND LEGS
Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED
PROCEDURES.
Supplemental Safety and Health
========= Physical/Chemical Properties ===========
HCC:B3
NRC/State Lic Num:NOT RELEVANT Melt/Freeze Pt:M.P/F.P Text:DECOMPOSES
Spec Gravity:2.20
pH:9.3 1% Viscosity:NOT RELEVANT
Evaporation Rate & Dr. Reference: NOT RELEVANT
Solubility in Water:9% @ 68F (20C) Appearance and Odor:WHITE GRANULAR POWDER - ODORLESS
============== Stability and Reactivity Data =============
Stability Indicator/Materials to Avoid:YES ACIDS Stabi

lity Condition to Avoid: EXCESSIVE HEAT, MOISTURE
Hazardous Decomposition Products: CARBON DIOXIDE

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. LANDFILL METHOD IS RECOMMENDED.

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