

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:206-889-3400/800-4

24-9300(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 #:VZ09

50000

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 INGREDIENT.

NO SIGNIFICANT TOXICITY IS EXPECTED. 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 Measures =====

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 CONSCIOUS, DRINK PLENTY OF WATER. TREATMENT FOLLOWS STANDARD PROTOCOLS AND IS OTHERWISE SYSTEMATIC AND SUPPORTIVE.

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

Flash Point:NONE

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

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
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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.

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Exposure Controls/Personal Protection
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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

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Physical/Chemical Properties
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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 & Reference:NOT RELEVANT

Solubility in Water:9% @ 68F (20C)

Appearance and Odor:WHITE GRANULAR POWDER - ODORLESS

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

ACIDS

Stab

ility 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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