

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

Product ID:SODA ASH

MSDS Date:06/01/1993

FSC:6810

NIIN:00-233-1715

MSDS Number: BTVXB

=== Responsible Party ===

Company Name:NORTH AMERICAN CHEMICAL COMPANY

Address:13200 MAIN STREET

City:TRONA

State:CA

ZIP:93562

Country:US

Info Phone Num:619-372-2291

Emergency Phone Num:619-372-2291

CAGE:41629

=== Contractor Identification ===

Company Name:HOLCHEM INC

Address:46

72 E DRUMMOND ST

Box:City:FRESNO

State:CA

ZIP:93725

Country:US

Phone:209-268-4571

CAGE:0J450

Company Name:NORTH AMERICAN CARBON INC.

Address:ELK RUN AVE

Box:436

City:PUNXSUTAWNEY

State:PA

ZIP:15767

Country:US

Phone:814-938-7450

CAGE:41629

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

Ingred Name:NO INGREDIENT FOR THIS FORMULATION\_INGREDIENT

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

LD50 LC50 Mixture:ORAL - RAT LD50: 2463 MG/KG; #

Routes of En

try: Inhalation:YES Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:CAUTION! CAUSES IRRITATION. THIS PRODUCT IS A SEVERE IRRITANT TO THE EYES AND A MODERATE IRRITANT TO THE NOSE AND SKIN. #INTRAPERITONEAL - MOUSE LD50: 117 MG/KG; SKIN IRRITATION - RABBIT 50 MG/ 24 HOU R, MODERATE; EYE IRRITATION - RABBIT 10MG/24 HOUR, SEVERE.

Effects of Overexposure:EYE, NOSE, OR SKIN IRRITATION. BURNING SENSATION TO NOSE, THROAT AND EYES. REDNESS OF THE SKIN. SNEEZING AND COUGH  
ING.

Medical Cond Aggravated by Exposure:EYE OR SKIN DISEASE AND BREATHING OR RESPIRATORY DISORDER WILL BE AGGRAVATED BY EXPOSURE TO THIS CHEMICAL.

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

First Aid:INGESTION: DO NOT INDUCE VOMITING. GIVE LRG QTY WATER. NOTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL DR. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, (MOUTH- TO-MO UTH). IF BREATHING DIFFICULT, GIVE OXYGEN. CALL

PHYSICIAN. SKIN: FLUSH W/PLENTY OF WATER. EYE: IMMEDIATELY FLUSH W/PLENTY OF WATER 15 MIN. CALL DR. NOTE TO DR: SODIUM CARBONATE IS ALKALINE IN SOLUTION

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

Fire Fighting Procedures:THIS PRODUCT IS NOT FLAMMABLE AND DOES NOT SUPPORT COMBUSTION.

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

Spill Release Procedures:SOIL: SWEEP UP & SHOVEL INTO CNTNR FOR LATER DISPOSAL. SOIL RELEASE: SHOVEL & SWEEP UP. WATER: DILUTE & DISPERSE W/WATER JETS,PROPELLARS, AGITATION TECHNIQUES. AIR: KEEP UPWIND. TREAT IMPACT SITE AS A PPROPRIATE FOR SOIL OR WATER SPILL.

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

Handling and Storage Precautions:AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING DUST. USE WITH ADEQUATE VENTILATION. KEEP CONTAINER CLOSED WHEN NOT IN USE.

Other Precautions:WASH THOROUGHLY AFTER HANDLING.

#### ===== Exposure Controls

/Personal Protection =====

Respiratory Protection:USE NIOSH/MSHA APPROVED DUST TYPE RESPIRATOR.

Ventilation:USE GENERAL DILUTION AND LOCAL EXHAUST VENTILATION  
TECHNIQUES TO MEET NUISANCE DUST EXPOSURE LIMIT.

Protective Gloves:GLOVES IMPERMEABLE TO ALKALINE SOLUTIONS

Eye Protection:USE SAFETY GLASSES/GOGGLES.

Other Protective Equipment:LOCATE EYEWASH FOUNTAIN IN IMMEDIATE WORK  
AREA.WEAR EASILY WASHABLE CLOTHING.CHANGE DAILY OR MORE OFTEN IF  
CONTAMINATED.

Work Hygienic Practi

ces:WASH CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

HCC:N1

Boiling Pt:B.P. Text:DECOMPOSES

Melt/Freeze Pt:M.P/F.P Text:851F,455C

Spec Gravity:2.5 @ 20C

Solubility in Water:22.6% BY WT @ 20C

Appearance and Odor:WHITE GRANULAR SOLID, NO ODOR

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

Stability Indicator/Materials to Avoid:YES

KEEP AWAY FROM ALUMINUM POWDER,FLUORINE,PHOSPHOROUS PENTOXIDE,SUL  
FURIC

ACID,AMMONIACAL SILVER NITRATE & MOLTEN LITHIUM.

Stability Condition to Avoid:MAY REACT VIOLENTLY W/STRONG ACID.CO2 &LRG  
QTY HEAT CAN BE EVOLVED.REACTS W/HYDRATD LIME IN PRESENCE OF  
MOISTURE

Hazardous Decomposition Products:CARBON DIOXIDE. SODIUM OXIDE RESIDUE  
SUBLIMES FORMING VAPORS AND MISTS OF CAUSTIC SODA ON CONTACT  
W/MOISTURE OR WATER.

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

Waste Disposal Methods:DISPOSE IN CHEMICAL WASTE FACILITY AS  
PERMITTED

BY FEDERAL (RCRA), STATE, & LOCAL REGULATIONS. AS PERMITTED, SMALL  
SPILLS MAY BE WASHED TO AN INDUSTRIAL SEWER. LARGE AMOUNTS CAN BE  
DISPOSED IN CHEMICAL WASTE FACILITY PER FED,STATE,LOCAL  
REGULATIONS.

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