

SODA ASH

MSDS Number

BXDNM

National Stock Number

6810-00-262-8567

Product Name

SODA ASH

Manufacturer

SOLVAY MINERALS INC

Product Identification

Product ID:SODA ASH
MSDS Date:09/16/1994
FSC:6810
NIIN:00-262-8567
MSDS Number: BXDNM

Responsible Party

SOLVAY MINERALS, INC
GREEN RIVER , WY
US

Emergency Phone: 800-424-9300(CHEMTREC)

Info Phone: 800-443-2785

Cage: KO950

Contractor

SOLVAY MINERALS, INC
GREEN RIVER, WY 90280
US
800-443-2785
Cage: KO950

Ingredients

SODIUM CARBONATE
CAS: 497-19-8
RTECS: VZ4050000
Fraction By Weight: 99.8%

WATER
CAS: 7732-18-5
RTECS: ZC0110000
Fraction By Weight: 0.1%

SODIUM SULFATE
CAS: 7757-82-6
RTECS: WE1650000
Fraction By Weight: 0.05%

SODIUM CHLORIDE

CAS: 7647-14-5

RTECS: VZ4725000

Fraction By Weight: 0.05%

Hazards

LD50 LC50 Mixture:LD50 ORAL, RAT:4090MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:AQU SOLN OF SODIUM CARBONATE ARE

ALKALINE & IRRIT DIGESTIVE MUC MEMB/EYES/HEALTHY

SKIN.INHAL(DUST):MAY IRRIT NOSE/THROAT/RESP TRACT.REPEATED EXPO MAY

CAUSE NOSE ULCERS.EYE(DUST):MAY CAUSE MILD IRRIT.S KIN:MAY CAUSE

SKIN IRRIT.IN PRESENCE OFMOISTURE/SWEAT IRRIT MAY BECOME MORE

SEVERE.INGEST:MAY CAUSE GI IRRIT.

Explanation of Carcinogenicity:PER MSDS:REG/CARCINOGENICITY

STATUS:NTP/IARC/OSHA:NONE.

Effects of Overexposure:IRRITATES DIGESTIVE MUC MEMBRANE/EYES/HEALTH

SKIN. IRRIT NOSE/THROAT/RESP TRACT. NOSE ULCERS, MILD EYE IRRIT,

SKIN IRRIT-REDNESS & SWELLING. SKIN RASH. GI TRACT IRRIT.

Medical Cond Aggravated by Exposure:SKIN IRRITATION MAY BE AGGRAVATED

IN PERSONS W/EXISTING SKIN LESIONS. BREATHING OF DUST MAY AGGRAVATE

ASTHMA OR OTHER CHRONIC PULMONARY DISEASE.

First Aid

First Aid:INHAL:REMOVE TO DUST FREE ENVIRO;BLOW NOSE.DIFF/STOP BREATH

ADMINISTER ART RESP.IRRIT PRESENT SEEK MED ATTN.EYE:SPLASH IN

EYES/FACE TREAT EYES FIRST;THEN FOLLOW SKIN 1ST.AID.IMMED RINSE EYE

W/RUNNING W ATER FOR 15MINS OPENING EYELIDS.PROTECTEYES FROM STRONG

LIGHT.CONSULT DR/OPHTHALMOLOGIST IN ALL CASES.TAKE TO MED

FACILITY.REMOVE CONTAMIN CLOTH/SHOES UNDER SHOWER.WASH SKIN

W/LUKEWARM WATER.(SUPPLE)

Fire Fighting

Flash Point:NON-COMBUSTIBLE

Lower Limits:NON-FLAMM

Upper Limits:NON-FLAMM

Extinguishing Media:PER MSDS NOT APPLICABLE HOWEVER USE APPROPRIATE

EXTINGUISHING MEDIA FOR SURROUNDING FIRE/MATERIALS.

Fire Fighting Procedures:PER MSDS NOT APPLICABLE HOWEVER USE

APPROPRIATE PROTECTIVE CLOTHING/EQPMT AS CONDITIONS WARRANT.

Unusual Fire/Explosion Hazard:NON-COMBUSTIBLE.

Accidental Release

Spill Release Procedures:SHOVEL BACK INTO ORIGINAL DRY, UNCONTAMINATED

CONTAINER OR WASTE RECEPTABLE. FLUSH AREA WITH WATER, CONTAIN

RUNOFF, DISPOSE OF WASTE IN ACCORDANCE WITH APPLICABLE

FED/STATE/LOCAL ENVIRONMENTAL LAWS/RE GS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:AVOID PROLONG/REPEAT CONTACT

W/SKIN/EYES.DO NOT WEAR CONTACT LENSES W/O PROPER EYE PROTECTION

WHEN USING THIS PRODUCT.AVOID PROLONG/REP BREATH OF DUST

Other Precautions:USE VACUUM OR WET MOP TO CLEAN UP DUST.KEEP IN

CLOSED, PPROPERLY LABELED CONTAINER IN DRY AREA AWAY FROM ACIDS.

PROTECT FROM PHYSICAL DAMAGE. FOR ALL OPERATIONS:DO NOT TAKE

INTERNALLY.

Exposure Controls

Respiratory Protection:IN CASE OF SIGNIFICANT OR ACCIDENTAL DUST

EMISSIONS A NIOSH/MSHA APPROVED DUST MASK SHOULD BE WORN.

Ventilation:IN PLACES WITH POSSIBILITY FOR CREATING DUST IN EXCESS OF

EXPOSURE LIMITS VENTILATION SHOULD BE PROVIDED.
Protective Gloves:COTTON GLOVES FOR HANDLING DRY PRODUCT.
Eye Protection:SAF GLASSES/GOGG.SIGNIFICANT DUST-GOGG.
Other Protective Equipment:NONE.
Work Hygienic Practices:WASH CONTAMIN CLOTH.WASH HANDS AFT HANLDING.
Supplemental Safety and Health
PH 1% SOLN:11.6.BULK DEN:62.0LBS/FT3. INCOMPAT:VOL OF
CO2/HEAT.W/MOISTURE SEVERE BURN.1STAID:DRY CAREFULLY.PERSISTENT
PAIN/RED SEE DR.PROVIDE CLEAN CLOTH.INGEST:DO NOT ATTEMPT TO GIVE
ANYTHING BY MOUT H IF UNCONSC.DO NOT INDUCE VOMIT.REMOVEANY AMT OF
PROD FRM MOUTH.IF CONSC & ALERT GIVE 8-12 OZ OF WATER.SEEK MED
ATTN.

Chemical Properties

HCC:N1
Melt/Freeze Pt:M.P/F.P Text:1564F,851C
Decomp Temp:Decomp Text:752F,400C
Vapor Pres:NOT LISTED
Spec Gravity:2.533 @25C
pH:SUPPLE
Viscosity:NOT LISTED
Evaporation Rate & Reference:V
Solubility in Water:33% MAX BY WT.
Appearance and Odor:ODORLESS, WHITE GRANULAR SOLID.

Stability

Stability Indicator/Materials to Avoid:YES
RXS W/STRONG ACIDS.UNDER CERTAIN CONDITONS MAY REACT W/AL,P2O5,F2,LI &
2,4,6-TRINITROTOLUENE.W/ACIDS-RELEASES LG (SUPPL)
Stability Condition to Avoid:HYGROSCOPIC;PROTECT FROM MOISTURE.MIXING
OF ACID & SODIUM CARBONATE SOLNS COULD CAUSE CO2 EVOLUTION & SEVERE
SPLATTERING
Hazardous Decomposition Products:CARBON DIOXIDE IS EVOLVED AT VERY HIGH
TEMPS (1000C,1832F) OR LWHEN MIXED W/ACIDS.

Disposal

Waste Disposal Methods:DISPOSE OF WASTE IAW APPLICABLE FED/STATE/LOC
ENVIRONMENTAL LAWS & REGS. CERCLA RQ:NOT LISTED. RCRA WSTE#:NOT
LISTED. (IRRIGATION OF FIELDS/VEG GARDENS:RISK;60-130MG/L:MED RISK;>130MG/L RIS K FOR LEGUMES OF VEG GARDENS,
WHEAT, ETC.)

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