

MINE SAFETY APPLIANCES CO DBA MSA -- SODA LIME -- 4240-00-491-0494

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

Product ID:SODA LIME

MSDS Date:01/01/1990

FSC:4240

NIIN:00-491-0494

MSDS Number: CHHNM

=== Responsible Party ===

Company Name:MINE SAFETY APPLIANCES CO DBA MSA

Address:3880 MEADOWBROOK RD

City:MURRYSVILLE

State:PA

ZIP:15668-1753

Country:US

Info Phone Num:412-325-1313

Emergency Phone Num:412-325-13

13

CAGE:55799

=== Contractor Identification ===

Company Name:MINE SAFETY APPLIANCES CO DBA MSA

Address:3880 MEADOWBROOK RD

Box:City:MURRYSVILLE

State:PA

ZIP:15668-1753

Country:US

Phone:724-733-9272

CAGE:55799

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

Ingred Name:SODIUM HYDROXIDE (CERCLA)

CAS:1310-73-2

RTECS #:WB4900000

Fraction by Wt: 5-12%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2 MG/M3

ACGIH TLV:C 2 MG/M3; 9596

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred N

ame:CALCIUM HYDROXIDE  
CAS:1305-62-0  
RTECS #:EW2800000  
Fraction by Wt: 70-90%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:5 MG/M3; 9596

Ingred Name:WATER  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: 5-15%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:NOT RELEVANT  
ACGIH TLV:NOT RELEVANT

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health H

azards Acute and Chronic:EYE:SEVERE DAMAGE. LIME BURNS.  
SKIN:SKIN SENSITIZATION. SEVERE BURNS WITH DEEP ULCERATION.  
INHALATION:DANGEROUS TO LIFE AND HEALTH. INGESTION:SEVERE  
ABDOMINAL PAIN, CORROSION OF LIPS, MOUTH, TONGUE , PHARYNX.  
Effects of Overexposure:EYES: EDEMA AND ULCERATION. SKIN: BURNS.  
INHALATION: IRRITATION. INGESTION: VOMITING OF CHUNKS OF MUCOUS.  
Medical Cond Aggravated by Exposure:NO INFORMATION.

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

First Aid:EYES:HOLD EYELIDS OPEN AND FLUSH WITH PLENTY OF WATER FOR 15  
MIN. LIGT UPPER AND LOWER EYELIDS TO FLUSH UNDERLID AREAS.  
SKIN:REMOVE CONTAMINATED CLOTHING IMMEDIATELY. WASH AFFECTED AREAS  
WITH SOAP AND LARGE AMOUNTS OF WATER FOR 15-20 MIN. TO COMPLETELY  
REMOVE CHEMICAL. INHALATION:REMOVE VICTIM TO FRESH AIR. ASSIST W/  
BREATHING SUPPORT MEASURES. INGESTION:IF VICTIM CONSCIOUS, GIVE 2  
GLASSES WATER.

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

=====

Flash Point:NON-FLAMMABLE

Extinguishing Media:WATER SPRAY, FOAM.

Fire Fighting Procedures:WEAR PRESSURE DEMAND SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE AND IMPERVIOUS COVERING.

Unusual Fire/Explosion Hazard:WATER MAY LEACH SODIUM HYDROXIDE FROM SODA LIME PRODUCING A CAUSTIC RUN-OFF SOLUTION. AVOID SKIN CONTACT WITH RUN-OFF WATER.

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

Spill Release Procedures:WEAR RECOMMENDED PROTECTIVE GEA

R. CLEAN-UP ON

A DRY BASIS. SHOVEL MATERIAL INTO A CLEAN DRY CONTAINER AND COVER.

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

Handling and Storage Precautions:STORE IN A CLOSED CONTAINER IN A COOL, DRY PLACE.

Other Precautions:NONE

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NIOSH APPROVED RESPIRATOR FOR SODIUM HYDROXIDE DUST.

Ventilation:USE WITH ADEQUATE VENTILATION TO AVOID DUST CONDITIONS.

Protective Glove

s:CHEMICAL RESISTANT AND WATER IMPERVIOUS.

Eye Protection:CHEMICAL PROTECTIVE GOGGLES.

Other Protective Equipment:IMPERVIOUS CLOTHING.

Supplemental Safety and Health

NONE

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

HCC:B1

Spec Gravity:2.3

pH:SOLID

Solubility in Water:135 MG/100CM3 @ 32F

Appearance and Odor:WHITE GRANULES, ODORLESS.

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

STRONG ACIDS AND HALOGENATED HYDROCARBONS.

===== Dis

posal Considerations =====

Waste Disposal Methods:DISPOSAL SHOULD BE CARRIED OUT BY A PERMITTED FACILITY EQUIPPED TO HANDLE CORROSIVE WASTE.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this

document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.