

VULCAN METAL PRODUCTS INC -- CAUSTIC SODA,ANHYDROUS,BEADS AND SOLID --  
6810-00-174-6581

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

Product ID:CAUSTIC SODA,ANHYDROUS,BEADS AND SOLID  
MSDS Date:04/01/1991  
FSC:6810  
NIIN:00-174-6581  
MSDS Number: BKLPN  
=== Responsible Party ===  
Company Name:VULCAN METAL PRODUCTS INC  
Address:NO 1 IRONDALE INDUSTRIAL PK  
Box:101269  
City:BIRMINGHAM  
State:AL  
ZIP:35210-1232  
Country:U  
S  
Info Phone Num:316-524-5751  
Emergency Phone Num:415-821-5338  
CAGE:05114  
=== Contractor Identification ===  
Company Name:VULCAN MATERIALS CO METALS DIVISION  
Address:1 METROPLEX DR  
Box:7588  
City:BIRMINGHAM  
State:AL  
ZIP:35223  
Country:US  
Phone:316-524-5751  
CAGE:1B635  
Company Name:VULCAN METAL PRODUCTS INC  
Address:NO 1 IRONDALE INDUSTRIAL PK  
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ZIP:35210-1232  
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Phone:415-821-5338  
CAGE:05114

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

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Ingred Name:SODIUM HYDROXIDE (SARA III)

CAS:1310-73-2

RTECS #:WB4900000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

OSHA PEL:2 MG/M3

ACGIH TLV:C 2 MG/M3; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:ACUTE: EYES: MAJOR HAZARD. SEVERE  
DESTRUCTION AND BLINDNESS. SKIN: MA

JOR HAZARD. SEVERE BURNS AND

DEEP ULCERATIONS. INHALATION: IRRITATION, SEVERE BURNS,  
PNEUMONITIS. INGESTION: SEVERE BURNS, SCARRING AND DEATH. CHRONIC:  
NO KNOWN CHRONIC EFFECTS.

Effects of Overexposure:EYES:SEVERE BURNS.POSSIBLE PERMANENT TISSUE  
DAMAGE AND POSSIBLE BLINDNESS. SKIN:SEVERE IRRITATION.POSSIBLE  
CHEMICAL BURNS AND POSSIBLE PERMANENT TISSUE DAMAGE.  
INHALATION:SEVERE IRRITATION AND POSSIBLE PERMANENT DAMAGE TO  
UPPER RESPIRATORYTRACT. INGESTION: SEVERE BURN

S AND PAINS IN LIPS,

MOUTH, TONGUE, THROAT, STOMACH

Medical Cond Aggravated by Exposure:MAY AGGRAVATE EXISTING SKIN AND/OR  
EYE CONDITONS ON CONTACT.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15  
MINUTES. SEE DOCTOR. SKIN: REMOVE CONTAMINATED CLOTHING AND SHOES.  
FLUSH WITH LARGE AMOUNTS OF WATER UNTIL SLIPPERY FEEL IS GONE, AT  
LEAST 15 MINUTES. IF IRRITATION IS EVIDENT, SEE DOCTOR.

INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN/CPR IF NEEDED. SEE  
DOCTOR. INGESTION:GIVE LARGE AMOUNTS OF WATER. DO NOT INDUCE  
VOMITING. SEE DOCTOR.

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

Extinguishing Media:NON-FLAMMABLE. USE EXTINGUISHING MEDIA APPROPRIATE  
FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A  
FULL FACED SELF CONTAINED BREATHING APPARATUS. AVOID SKIN CONTACT.

Unusual Fire/Explosion Hazard:WATER

MAY CAUSE HEATING AND SPLATTERING  
OF CORROSIVE SODIUM HYDROXIDE.

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

Spill Release Procedures:CLEANUP PERSONNEL MUST WEAR PROPER PROTECTIVE EQUIPMENT. RECLAIM INTO CLOSED CONTAINERS FOR NORMAL USE OR DISPOSAL. REMAINING MATERIAL MAY BE DILUTED WITH WATER AND NEUTRALIZED. NEUTRALIZATION PRODUCT S BOTH LIQUID/SOLID MUST BE RECOVERED FOR DISPOSAL

Neutralizing Agent:5% ACETIC ACID.

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

Handling and Storage Precautions:STORE IN CLOSED CONTAINERS INDOORS IN A DRY AREA. DISSOLVE SLOWLY IN WARM WATER WITH CONSTANT STIRRING TO AVOID SPATTERING. USE PROTECTIVE EQUIPMENT.

Other Precautions:DO NOT REUSE BAGS, DRUMS OR BOXES WITHOUT RECYCLING OR RECONDITIONING IN ACCORDANCE WITH ANY APPLICABLE FEDERAL, STATE OR LOCAL LAWS.

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

Respiratory Protection:FOR LEVELS WHICH EXCEED OR ARE LIKELY TO EXCEED 2 MG/M3 USE A NIOSH/MSHA APPROVED HIGH EFFICIENCY PARTICULATE FILTER WITH FULL FACEPIECE OR SELF-CONTAINED BREATHING APPARATUS AS REQUIRED FOR EXPOSURE OF CONCERN.

Ventilation:LOCAL EXHAUST PREFERABLE.

Protective Gloves:NEOPRENE, RUBBER, PVC.

Eye Protection:GOGGLES WHICH ARE DUST AND SPLASHPROOF.

Other Protective Equipment:PVC RAINUIT, RUBBER BOOTS WITH PANTS LEGS OVER BOOTS. EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE SMOKING OR EATING.LAUNDER CONTAMINATED CLOTHING.DISCARD CONTAMINATED SHOES.

Supplemental Safety and Health

CONTACT OF CAUSTIC SODA CLEANING SOLUTIONS WITH FOOD AND BEVERAGE PRODUCTS IN ENCLOSED VESSELS MAY PRODUCE LETHAL CONCENTRATIONS OF CARBON MONOXIDE GAS. AVOID CONTACT WITH SKIN AND AVOID BREATHING DUST. WHEN MIXING SOLUTIONS, WEAR FACE SHIELD TO PROTECT FACE FROM SPLASHING. DETERMINE EXPOSURE LEVEL REGULARLY.

===== Physical

/Chemical Properties =====

HCC:B1

Melt/Freeze Pt:M.P/F.P Text:604F,318C

Spec Gravity:2.13

Solubility in Water:COMPLETE

Appearance and Odor:WHITE SOLID FLAKES, ODORLESS.

Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES

STRONG ALKALI. AVOID WATER, CHLORINATED AND FLUORINATED HYDROCARBONS,  
ACETALDEHYDE, ACROLEIN, ALUMINUM, AND OTHERS.

Stability Condition to Avoid:AVOID MOISTURE.

Hazardou

s Decomposition Products:WILL NOT DECOMPOSE.

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

Waste Disposal Methods:NOTIFY YOUR LOCAL ENVIRONMENTAL OFFICER. (1)

TRANSFER TO RECLAIMING CENTER FOR RECLYING OR REUSE,IF POSSIBLE.

(2) TRANSFER TO LICENSED HAZARDOUS TREATMENT OR DISPOSAL SITE FOR  
DISPOSITION UNDER APPLIC ABLE FEDERAL,STATE AND LOCAL REGULATIONS.

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