

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

Countr

y:US

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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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:  
MAJOR 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 B  
URNS 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 MI NUTES. 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:WAT

ER 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 PRODUCTS 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 RAIN SUIT, 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.LAUNDRY 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.

===== Physi

cal/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.

Hazar

dous 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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