

ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC -- CAUSTIC SODA ANHYDROUS FLAKED --  
6810-00-174-6581

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

Product ID:CAUSTIC SODA ANHYDROUS FLAKED

MSDS Date:05/31/1989

FSC:6810

NIIN:00-174-6581

MSDS Number: BLJRY

=== Responsible Party ===

Company Name:ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC

Address:3849 FISHER RD

Box:2219

City:COLUMBUS

State:OH

ZIP:43228

Country:US

Inf

o Phone Num:614-790-3333

Emergency Phone Num:800-274-5263

CAGE:7L600

=== Contractor Identification ===

Company Name:ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC

Address:3849 FISHER RD

Box:2219

City:COLUMBUS

State:OH

ZIP:43216

Country:US

Phone:614-790-3333 / 800-325-3751

CAGE:7L600

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

Ingred Name:SODIUM HYDROXIDE

CAS:1310-73-2

RTECS #:WB4905000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

OSHA PEL:2 MG/M3

ACGIH TLV:C 2 MG/M

3; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Health Hazards Acute and Chronic:EYES: CAUSES SEVERE DAMAGE AND EVEN  
BLINDNESS VERY RAPIDLY. SKIN: CAUSES BURNS, POSSIBLE DEEP  
ULCERATION. BREATHING: OF DUST CAN CAUSE DAMAGE TO NASAL AND  
RESPIRATORY PASSAGES. SWALLOWING: RESULTS IN SEVERE DAMAGE TO  
MUCOUS MEMBRANES AND DEEP TISSUES, CAN RESULT IN DEATH  
ON  
PENETRATION TO VITAL AREAS.

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

First Aid:SKIN: IMMED FLUSH W/H2O-15 MIN. REMOVE CONTAM CLOTH/LAUNDRER  
BEFORE RE-USE. REMOVE/DISCARD CONTAM SHOES. EYES: IMMED FLUSH W/LG  
AMT H2O-15 MIN., LIFT UPPER/LOWER LIDS OCCAS. IF DR NOT AVAIL, KEEP  
FLUSH ING W/H2O. DO NOT USE CHEM ANTIDOTE. INGEST: DO NOT INDUCE  
VOMIT/WILL CAUSE FURTHER THROAT DAMAGE. DILUTE BY GIVING H2O. GIVE  
MILK OF MAGNESIA. KEEP WARM/QUIET. GE  
T IMMED MED AID FOR EACH  
CONDITION.

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

Flash Point:NA  
Fire Fighting Procedures:CAN REACT WITH CHEMICALLY REACTIVE METALS SUCH  
AS ALUMINUM, ZINC, MAGNESIUM, COPPER, ETC. TO RELEASE HYDROGEN GAS  
WHICH CAN FORM EXPLOSIVE MIXTURES WITH AIR.

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

Spill Release Procedures:SMALL SPILL: SWEEP UP MATERIAL FOR DISPOSAL OR  
RECOVERY. LARGE SPILL: COLLECT AND AD  
D SLOWLY TO LARGE VOLUME OF  
WATER.  
Neutralizing Agent:6M-HYDROCHLORIC ACID.

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

Handling and Storage Precautions:CONTAINERS OF THIS MATERIAL MAY BE  
HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT  
RESIDUES (VAPOR, LIQUID, AND/OR SOLID), ALL \*  
Other Precautions:\*HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE  
OBSERVED.

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

Respirator

Respiratory Protection: EXPOSURE LIMIT EXCEEDED, NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS (NEGATIVE PRESSURE TYPE). IMPLEMENT ENGINEERING/ADMIN CONTROLS TO REDUCE EXPOSURE.

Ventilation: PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves: NEOPRENE, NITRILE RUBBER, ETC.

Eye Protection: CHEMICAL SPLASH GOGGLES, FACE SHIELD.

Other Protective

Equipment: SAFETY GLASSES ARE ALSO PERMITTED. TO PREVENT SKIN CONTACT, WEAR IMPERMEABLE CLOTHING AND BOOTS.

Supplemental Safety and Health

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

HCC: B1

Specific Gravity: 2.130 @ 68 F

Appearance and Odor: NOT SPECIFIED BY MANUFACTURER.

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

Stability Indicator/Materials to Avoid: YES

REACTIVE METALS-ALUMINUM & MAGNESIUM, ORGANIC MATERIALS, WATER, STRONG ORGANIC

ACIDS, COPPER, STRONG MINERAL ACIDS.

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

Waste Disposal Methods: SMALL: DISSOLVE IN LARGE AMOUNT OF WATER & NEUTRALIZE WITH 6M-HYDROCHLORIC ACID. FLUSH DOWN DRAIN WITH EXCESS WATER PER APPLICABLE REGS. LARGE: POUR INTO LARGE TANK OF WATER & NEUTRALIZE. FLUSH TO DRAIN WITH LARGE EXCESS OF WATER PER APPLICABLE REGS.

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