

ASHLAND CHEMICAL DIV OF ASHLAND OIL -- CAUSTIC SODA ANHYDROUS FLAKED - SODIUM HYDROX  
MATERIAL SAFETY DATA SHEET

NSN: 6810001746581

Manufacturer's CAGE: 7L600

Part No. Indicator: A

Part Number/Trade Name: CAUSTIC SODA ANHYDROUS FLAKED

General Information

Item Name: SODIUM HYDROXIDE, TECHNICAL

Company's Name: ASHLAND CHEMICAL INC, DIV OF ASHLAND OIL INC

Company's Street: 3849 FISHER RD

Company's City: COLUMBUS

Company's State: OH

Company's Country: US

Company's Zip Code: 43228-1017

Company's Emerg Ph #: 800-274-5263 OR 800-ASHLAND

Company's Info Ph #: 614-889-3333

Record No. For Safety Entry: 018

Tot Safety Entries This Stk#: 025

Status: SM

Date MSDS Prepared: 31MAY89

Safety Data Review Date: 06SEP91

Supply Item Manager: 75

MSDS Serial Number: BLJRY

Specification Number: A-A-895

Hazard Characteristic Code: C2

Unit Of Issue: DR

Unit Of Issue Container Qty: \*

Type Of Container: METAL/FIBER

Net Unit Weight: 100 LBS

Ingredients/Identity Information

Proprietary: NO

Ingredient: SODIUM HYDROXIDE

Ingredient Sequence Number: 01

Percent: 100

NIOSH (RTECS) Number: WB4905000

CAS Number: 1310-73-2

OSHA PEL: 2 MG/M3

ACGIH TLV: C 2 MG/M3; 9293

Other Recommended Limit: NONE SPECIFIED

Physical/Chemical Characteristics

Appearance And Odor: NOT SPECIFIED BY MANUFACTURER.

Boiling Point: UNKNOWN

Melting Point: UNKNOWN

Specific Gravity: 2.130 @ 68 F

Decomposition Temperature: UNKNOWN

Solubility In Water: UNKNOWN

Fire and Explosion Hazard Data

Flash Point: NA

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

## Reactivity Data

Stability: YES

Materials To Avoid: REACTIVE METALS-ALUMINUM & MAGNESIUM, ORGANIC MATERIALS, WATER, STRONG ORGANIC ACIDS, COPPER, STRONG MINERAL ACIDS.

Hazardous Poly Occur: NO

## Health Hazard Data

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: YES

Health Haz 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.

Emergency/First Aid Proc: SKIN: IMMEDIATE FLUSH W/H<sub>2</sub>O-15 MIN. REMOVE CONTAM CLOTH/LAUNDRER BEFORE RE-USE. REMOVE/DISCARD CONTAM SHOES. EYES: IMMEDIATE FLUSH W/LG AMT H<sub>2</sub>O-15 MIN., LIFT UPPER/LOWER LIDS OCCAS. IF DR NOT AVAIL, KEEP FLUSHING W/H<sub>2</sub>O. DO NOT USE CHEM ANTIDOTE. INGEST: DO NOT INDUCE VOMIT/WILL CAUSE FURTHER THROAT DAMAGE. DILUTE BY GIVING H<sub>2</sub>O. GIVE MILK OF MAGNESIA. KEEP WARM/QUIET. GET IMMEDIATE MED AID FOR EACH CONDITION.

## Precautions for Safe Handling and Use

Steps If Matl Released/Spill: SMALL SPILL: SWEEP UP MATERIAL FOR DISPOSAL OR RECOVERY. LARGE SPILL: COLLECT AND ADD SLOWLY TO LARGE VOLUME OF WATER.

Neutralizing Agent: 6M-HYDROCHLORIC ACID.

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

Precautions-Handling/Storing: 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.

## Control Measures

Respiratory Protection: EXPOS LIM EXCEEDED, NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRON CONTROL. OSHA REGS ALSO PERMIT OTHER NIOSH/MSHA RSPRTRS (NEGATIVE PRESSURE TYPE).

IMPLEMENT ENGINEERING/ADMIN CONTROLS TO REDUCE EXPOS.

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

Protective Gloves: NEOPRENE, NITRILE RUBBER, ETC.

Eye Protection: CHEM SPLASH GOGGLES, FACE SHIELD.

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

## Transportation Data

Trans Data Review Date: 91249

DOT PSN Code: NGU

DOT Proper Shipping Name: SODIUM HYDROXIDE, SOLID

DOT Class: 8

DOT ID Number: UN1823

DOT Pack Group: II

DOT Label: CORROSIVE  
 IMO PSN Code: NSX  
 IMO Proper Shipping Name: SODIUM HYDROXIDE, SOLID  
 IMO Regulations Page Number: 8225-1  
 IMO UN Number: 1823  
 IMO UN Class: 8  
 IMO Subsidiary Risk Label: -  
 IATA PSN Code: WSO  
 IATA UN ID Number: 1823  
 IATA Proper Shipping Name: SODIUM HYDROXIDE, SOLID  
 IATA UN Class: 8  
 IATA Label: CORROSIVE  
 AFI PSN Code: WSO  
 AFI Prop. Shipping Name: SODIUM HYDROXIDE, SOLID  
 AFI Class: 8  
 AFI ID Number: UN1823  
 AFI Pack Group: II  
 AFI Basic Pac Ref: 12-7  
 MMAC Code: NK  
 N.O.S. Shipping Name: SODIUM HYDROXIDE DRY, MIXTURE, SOLID  
 Additional Trans Data: \*100 LBS IN A 55 GL DR.

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Disposal Data

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Label Data

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Label Required: YES  
 Label Status: G  
 Common Name: CAUSTIC SODA ANHYDROUS FLAKED  
 Special Hazard Precautions: EYES: CAUSES SEVERE DAMAGE AND EVEN BLINDNESS  
 VERY RAPIDLY. SKIN: CAUSES BURNS, POSSIBLE DEEP ULCERATION. BREATHING: OF  
 RESULTS IN SEVERE DAMAGE TO MUCOUS MEMBRANES AND DEEP TISSUES, CAN RESULT  
 IN DEATH ON PENETRATION TO VITAL AREAS. N/K  
 Label Name: ASHLAND CHEMICAL INC, SUBSIDIARY-ASHLAND  
 OIL, INC  
 Label P.O. Box: 2219  
 Label City: COLUMBUS  
 Label State: OH  
 Label Zip Code: 43216  
 Label Country: US  
 Label Emergency Number: 800-274-5263 OR 800-ASHLAND