

J T BAKER -- SODIUM HYDROXIDE, 50% SOLUTION, 3727**MATERIAL SAFETY DATA SHEET**

NSN: 6810002719265

Manufacturer's CAGE: 70829

Part No. Indicator: A

Part Number/Trade Name: SODIUM HYDROXIDE, 50% SOLUTION, 3727

General Information

Company's Name: J T BAKER INC

Company's Street: 222 RED SCHOOL LANE

Company's City: PHILLIPSBURG

Company's State: NJ

Company's Country: US

Company's Zip Code: 08865

Company's Emerg Ph #: 800-848-8802; 800-424-9300 (CHEMTREC)

Company's Info Ph #: 908-857-2151

Record No. For Safety Entry: 001

Tot Safety Entries This Stk#: 001

Status: SMJ

Date MSDS Prepared: 29JUL96

Safety Data Review Date: 16JAN97

MSDS Serial Number: CCZCD

Hazard Characteristic Code: NK

Ingredients/Identity Information

Proprietary: NO

Ingredient: SODIUM HYDROXIDE (CERCLA)

Ingredient Sequence Number: 01

Percent: 50

NIOSH (RTECS) Number: WB4900000

CAS Number: 1310-73-2

OSHA PEL: 2 MG/M3

ACGIH TLV: C 2 MG/M3

Proprietary: NO

Ingredient: WATER

Ingredient Sequence Number: 02

Percent: 50

NIOSH (RTECS) Number: ZC0110000

CAS Number: 7732-18-5

OSHA PEL: N/K (FP N)

ACGIH TLV: N/K (FP N)

Physical/Chemical Characteristics

Appearance And Odor: CLEAR, COLORLESS VISCOUS LIQUID. ODORLESS.

Boiling Point: 287F, 142C

Melting Point: 53.0F, 11.7C

Vapor Pressure (MM Hg/70 F): 1 @ 20C

Vapor Density (Air=1): N/A

Specific Gravity: 1.53 (H*20=1)

Evaporation Rate And Ref: NOT APPLICABLE

Solubility In Water: COMPLETE (100%)

Percent Volatiles By Volume: 50

pH: SUPDAT

Fire and Explosion Hazard Data

Flash Point: N/A

Flash Point Method: CC

Lower Explosive Limit: N/A

Upper Explosive Limit: N/A

Extinguishing Media: USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Special Fire Fighting Proc: USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N). FLOOD WITH WATER SPRAY TO PREVENT SPLASHING OF MATERIAL.

Unusual Fire And Expl Hazrds: REACTS W/MOST METALS TO PRDCE HYDROGEN GAS, WHICH CAN FORM AN EXPL MIXTURE W/AIR. TOXIC GASES PRODUCED: HYDROGEN.

Reactivity Data

Stability: YES

Cond To Avoid (Stability): HEAT.

Materials To Avoid: STRONG ACIDS, MOST COMMON METALS, COMBUST MATLS, ORGANIC MATLS, ZINC, ALUMINUM, PEROXIDES, HALOGENATED HYDROCARBONS.

Hazardous Decomp Products: HYDROGEN.

Hazardous Poly Occur: NO

Conditions To Avoid (Poly): NOT RELEVANT.

Health Hazard Data

LD50- LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: YES

Health Haz Acute And Chronic: ACUTE: INHALATION: SEVERE IRRITATION OR BURNS OF RESPIRATORY SYSTEM, PULMONARY EDEMA, LUNG INFLAMMATION, MAY CAUSE RESPIRATORY SYSTEM DAMAGE. SKIN: BURNS. EYE: BURNS, PERMANENT EYE DAMAGE. INGESTION: HARMFUL AND MAY BE FATAL. SEVERE BURNS TO MOUTH, THROAT, AND STOMACH, NAUSEA, VOMITING. TARGET ORGANS: EYES, (EFTS OF OVEREXP)

Carcinogeni city - NTP: NO

Carcinogeni city - IARC: NO

Carcinogeni city - OSHA: NO

Explanation Carcinogeni city: NOT RELEVANT.

Signs/Symptoms Of Overexp: HLTH HAZ: SKIN, RESPIRATORY SYSTEM, LUNGS.

Med Cond Aggravated By Exp: DAMAGED SKIN.

Emergency/First Aid Proc: INGEST: CALL PHYS. IF SWALLOWED, DO NOT INDUCE VOMIT. IF CONSCIOUS, GIVE LG AMTS OF WATER. FOLLOW W/DILUTED VINEGAR, FRUIT JUICE/WHITES OF EGGS BEATEN W/WATER. INHAL: REMOVE TO FRESH AIR. IF NOT BRTHG, GIVE ARTF RESP. IF BRTHG IS DFCLT, GIVE OXYG. PROMPT ACTION IS ESSNTL. SKIN: IMMED FLUSH W/PLENTY OF WATER FOR @ LST 15 MINS WHILE REMOVING CONTAMD CLTHG & SHOES. WASH CLTHG BEFORE RE-USE. (SUPDAT)

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: WEAR NIOSH APPRVD SCBA & FULL PROT CLTHG. STOP LEAK IF CAN BE DONE W/OUT RISK. VENTILATE AREA. CAREFULLY NEUTRALIZE SPILL W/DILUTE HCL. FLUSH AREA WITH FLOODING AMOUNTS OF WATER. (USE CAUTION).

Neutralizing Agent: MFR NEUTRACIT R-2 OR BUCAIM R CAUSTIC NEUTRALIZERS ARE REC FOR SPILLS OF PROD.

Waste Disposal Method: DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL,

D002, D003 (CORROSIVE, REACTIVE WASTE).

Precautions-Handling/Storing: KEEP CNTNR TIGHTLY CLSD. STORE IN CORR-PROOF AREA. ISOLATE FROM INCOMPAT MATLS. IMPORTANT: STORE >60F(16C) TO PREVENT FREEZING. POISON! DANGER!

Other Precautions: NOTE: WHEN HNDLG LIQ PRODS, SECONDARY PROT CNTNRS MUST BE USED FOR CARRYING. HARMFUL IF INHALED. CAUSES SEV BURNS. MAY BE FATAL IF SWALLOWED. REACTS VIOLENTLY W/ACIDS. IMPORTANT: STORE >60F(16C) TO PVNT FREEZING. DO NOT GET IN EYES, (SUPDAT)

Control Measures

Respiratory Protection: ANSI APPRVD RESP PROT REQD IF AIRBORNE CONC EXCEEDS TLV. AT CONCS UP TO 100 PPM, A NIOSH APPRVD HIGH-EFFICIENCY PARTICULATE RESP IS REC. ABOVE THIS LEVEL, A NIOSH APPRVD SCBA IS ADVISED. Ventilation: USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.

Protective Gloves: NEOPRENE GLOVES.

Eye Protection: ANSI APPRVD CHEM WORKERS GOGGS (SUPDAT)

Other Protective Equipment: UNIFORM, PROTECTIVE SUIT. ANSI APPRVD EYE WASH & DELUGE SHOWER (FP N).

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING.

IMMED FLUSH W/PLENTY OF WATER FOR @ LST 15 MINS. OTHER PREC: ON SKIN, ON CLTHG. AVOID BRTHG VAP. EYE PROT: & FULL LENGTH FACESHIELD (FP N).

Transportation Data

Trans Data Review Date: 97119

DOT PSN Code: NGY

DOT Proper Shipping Name: SODIUM HYDROXIDE SOLUTION

DOT Class: 8

DOT ID Number: UN1824

DOT Pack Group: II

DOT Label: CORROSIVE

IMD PSN Code: NTB

IMD Proper Shipping Name: SODIUM HYDROXIDE, SOLUTION

IMD Regulations Page Number: 8226

IMD UN Number: 1824

IMD UN Class: 8

IMD Subsidiary Risk Label: -

IATA PSN Code: WST

IATA UN ID Number: 1824

IATA Proper Shipping Name: SODIUM HYDROXIDE SOLUTION

IATA UN Class: 8

IATA Label: CORROSIVE

AFI PSN Code: WST

AFI Prop. Shipping Name: SODIUM HYDROXIDE, SOLUTION

AFI Class: 8

AFI ID Number: UN1824

AFI Pack Group: II

AFI Special Prov: N34

AFI Basic Pac Ref: A12.3

Disposal Data

Label Data

Label Required: YES
Technical Review Date: 16JAN97
Label Date: 15JAN97
Label Status: G
Common Name: SODIUM HYDROXIDE, 50% SOLUTION, 3727
Chronic Hazard: NO
Signal Word: DANGER!
Acute Health Hazard-Severe: X
Contact Hazard-Severe: X
Fire Hazard-Slight: X
Reactivity Hazard-Slight: X
Special Hazard Precautions: CORROSIVE. POISON. ACUTE: INHALATION: SEVERE IRRITATION OR BURNS OF RESPIRATORY SYSTEM, PULMONARY EDEMA, LUNG INFLAMMATION, MAY CAUSE RESPIRATORY SYSTEM DAMAGE. SKIN: BURNS. EYE: BURNS, PERMANENT EYE DAMAGE. INGESTION: HARMFUL AND MAY BE FATAL. SEVERE BURNS TO MOUTH, THROAT, AND STOMACH, NAUSEA, VOMITING. TARGET ORGANS: EYES, SKIN, RESPIRATORY SYSTEM, LUNGS. CHRONIC: NONE LISTED BY MANUFACTURER.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: J T BAKER INC
Label Street: 222 RED SCHOOL LANE
Label City: PHILLIPSBURG
Label State: NJ
Label Zip Code: 08865
Label Country: US
Label Emergency Number: 800- 848- 8802; 800- 424- 9300(CHEMTREC)