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: PHILIPSBURG
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: SM
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/MB
ACGIH TLV: C 2 MG/MB

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 (H2O=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 N I O SH APPROVED SCBA & FULL PROTECTIVE EQUIMENT (FP N). FLOOD WITH WATER SPRAY TO PREVENT SPLASHING OF MATERIAL.

Unusual Fire And Expl Hazards: REACTS W MOST METALS TO PRODUCE HYDROGEN GAS, WHICH CAN FORM AN EXPLOSION 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)
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: 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 VI NEGR, 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 CONTAMAD CLTHG & SHOES. WASH CLTHG BEFORE RE-USE. (SUPDAT)

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: WEAR NIOSH APPROVED SCBA & FULL PROT CLTHG.
STOP LEAK IF CAN BE DONE W OUTF RISK. VENTILATE AREA. CAREFULLY NEUTRALIZE SPILL W DILUTE HCL. FLUSH AREA W FLOODING AMOUNTS OF WATER. (USE CAUTION ON).
Neutralizing Agent: MFR NEUTRACIT R-2 OR BUCAIM R CAUSTIC NEUTRALIZERS ARE REC FOR SPII LS OF PROD.
Waste Disposal Method: DISPOSE IN ACCORDANCE W ALL APPLICABLE FEDERAL,
D002, D003 (CORROSIVE, REACTIVE WASTE).
Precautions-Handling/Storing: KEEP CNTNR TI GHTLY 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. CAUSES SEV BURNS. MAY BE FATAL IF SWALLOWED. REACTS VI OLENTLY 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 HI GH-EFFICIENCY
PARTICULATE RESP IS REC. ABOVE THIS LEVEL, A NIOSH APPRVD SCBA IS ADVIS ED.
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.
I MEED 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
IMO PSN Code: NTB
IMO Proper Shipping Name: SODIUM HYDROXIDE, SOLUTION
IMO UN Number: 1824
IMO UN Class: 8
IMO Subsidiary Risk Label: -
IATA PSN Code: V5T
IATA UN ID Number: 1824
IATA Proper Shipping Name: SODIUM HYDROXIDE SOLUTION
IATA UN Class: 8
IATA Label: CORROSIVE
AFI PSN Code: V5T
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. SEVER 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)