

J T BAKER INC -- 3727 SODIUM HYDROXIDE,50% SOLUTION -- 6810-00-181-7557

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Product Identification
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Product ID:3727 SODIUM HYDROXIDE,50% SOLUTION

MSDS Date:03/07/1996

FSC:6810

NIIN:00-181-7557

MSDS Number: BZXRP

=== Responsible Party ===

Company Name:J T BAKER INC

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Info Phone Num:908-859-2151

Emergency Phone Nu

m:908-859-2151

CAGE:DO803

=== Contractor Identification ===

Company Name:J T BAKER INC

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:1-800-582-2537

CAGE:DO803

Company Name:MALLINCKRODT BAKER, INC.

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:800-582-2537

CAGE:70829

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Composition/Information on Ingredients
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Ingred Name:SODIUM HYDROXIDE, CAUSTIC SODA, LYE

CAS:1310-73-2

RTECS #:WB4900000

Fract

ion by Wt: 50%
Other REC Limits:2MG/M3 CEILING NIOSH
OSHA PEL:2 MG/CUM
ACGIH TLV:2 MG/CUM CEILING
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 50%

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION: SEVERE IRRITATION/BURNS OF
RESPIRATORY SYSTEM, PULMONARY EDE
MA, LUNG INFLAMMATION, MAY CAUSE
RESPIRATORY SYSTEM DAMAGE. SKIN: BURNS. EYES: BURNS, PERMANENT
DAMAGE. INGESTION: HARMFUL/FATAL , SEVERE BURNS TO MOUTH, THROAT &
STOMACH.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION, BURNS, STOMACH, NAUSEA, VOMITING.
Medical Cond Aggravated by Exposure:DAMAGED SKIN

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

First Aid:INGESTION: DON'T INDUCE VOMITING. IF CONSCIOUS, GIVE LARGE
AMOUNTS OF WATER.
FOLLOW W/DILUTED VINEGAR, FRUIT JUICE/WHITES OF
EGGS BEATEN W/WATER. INHALATION: REMOVE TO FRESH AIR. GIVE
CPR/OXYGEN IF NE EDED. PROMPT ACTION IS ESSENTIAL. SKIN:FLUSH
W/PLENTY OF WATER FOR 15 MINS. EYES: FLUSH W/PLENTY OF WATER FOR 15
MINS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING AREAS.
Fire Fighting Procedures:WEAR PROPER PROTECTIVE EQUIPMENT & SCBA

W/FULL

FACEPIECE OPERATED IN POSITIVE PRESSURE MODE. FLOOD W/WATER TO PREVENT SPLASHING OF MATERIAL.

Unusual Fire/Explosion Hazard:REACTS W/MOST METALS TO PRODUCE HYDROGEN GAS, WHICH CAN FORM AN EXPLOSIVE MIXTURE W/AIR.

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

Spill Release Procedures:WEAR SCBA & FULL PROTECTIVE CLOTHING. STOP LEAK W/O RISK. VENTILATE AREA. NEUTRALIZE W/DILUTE HYDROGEN CHLORIDE. FLUSH AREA W/FLOODING AMOUNTS OF WATER. USE CAUTION.

Neutralizing Agent:DILUTE HYDROGEN CHLORIDE.

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. STORE IN CORROSION-PROOF AREA. ISOLATE FROM INCOMPATIBLE MATERIALS. STORE >60F TO PREVENT FREEZING.

Other Precautions:USE W/ADEQUATE VENTILATION. DON'T SET IN EYES, SKIN/CLOTHING. AVOID BREATHING VAPOR. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:REQUIRED IF AIRBORNE CONCENTRATION EXCEEDS TLV. AT CONCENTRATIONS UP TO 100 PPM, A HIGH EFFICIENCY PARTICULATE RESPIRATOR IS RECOMMENDED. ABOVE THIS LEVEL, A SCBA IS ADVISED.

Ventilation:GENERAL/LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.

Protective Gloves:NEOPRENE

Eye Protection:SAFETY GOGGLES

Other Protective Equipment:FACE SHIELD, UNIFORM, PROTECTIVE SUIT.

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING & SHOES BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

INCOMPATIBLES CONT'D: HALOGENATED HYDROCARBONS.

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

Boiling Pt:B.P. Text:287F

Melt/Freeze Pt:M.P/F.P Text:53F

Vapor Pres:1

Spec Gravity:1.53

pH:14

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS VISCOUS LIQUID W/NO ODOR.

Percent Volatiles by Volume:50

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, MOST COMMON METALS, COMBUSTIBLE MATERIALS, ORGANIC MATERIALS, ZINC, ALUMINUM, PEROXIDES (SEE SUPP)

Stability Condition to Avoid:HEAT, FREEZING.

Hazardous Decomposition Products:HYDROGEN

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

Waste Disposal Methods:DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS. UN1824, CORROSIVE. D002, D003.

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