

J.T.BAKER CHEMICAL CO. -- BROMINE;PRODUCT CODE:9760,9764 -- 6810-00-241-1125

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Product Identification  
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Product ID:BROMINE;PRODUCT CODE:9760,9764

MSDS Date:05/01/1989

FSC:6810

NIIN:00-241-1125

MSDS Number: BJZSY

=== Responsible Party ===

Company Name:J.T.BAKER CHEMICAL CO.

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Info Phone Num:201-859-2151

Emergency

Phone Num:201-859-2151

CAGE:DO870

=== Contractor Identification ===

Company Name:J.T.BAKER CHEMICAL CO.

Address:222 RED SCHOOL LANE

City:PHILLIPSBURG

State:NJ

ZIP:08865-2219

Country:US

Phone:201-859-2151

CAGE:DO870

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:BROMINE (SARA III)

CAS:7726-95-6

RTECS #:EF9100000

Fraction by Wt: 90-100%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:0.1PPM/0.3 STEL  
ACGIH TLV:O.1PPM/0.3 STEL;9192

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Hazards Identification  
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LD50 LC50 Mixture:LC50:(INH,MUS) 750 PPM.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHAL: IRRIT OF NOSE & THROAT, SEVERE  
IRRIT OF RESPIRATORY SYSTEM, COUGHING, CHEST PAINS, IRRIT OF NOSE &  
THROAT, MAY CAUSE  
PULMONARY EDEMA. SKIN/EYE: IRRIT, SEVERE IRRIT OR  
BURNS. INGEST: NAUSEA, VOMITING, GASTROINTESTINAL IRRIT, BURNS  
TOMOUTH & THROAT. TARGET ORGANS: RESP SYS, EYES, SKIN, CNS, HEART.  
Explanation of Carcinogenicity:NOT RELEVANT  
Effects of Overexposure:SEE HEALTH HAZARDS.  
Medical Cond Aggravated by Exposure:ASTHMA, HEART DISORDERS,  
RESPIRATORY SYSTEM DISEASE, DAMAGED SKIN.

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First Aid Measures  
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First Aid:INGEST: CALL MD. IF SWALLOWED, DO NOT  
INDUCE VOMIT. IF  
CONSCIOUS, GIVE WATER, MILK OR MILK OF MAGNESIA. INHAL: REMOVE TO  
FRESH AIR. IF NOT BREATHING, GIVE ARTIF RESP. IF BREATHING DEFICULT, GIVE O2.  
SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MIN WHILE  
REMOVING CONTAMINATED CLOTHING/SHOES. WASH CLOTHING BEFORE RE-USE. EYE: IMMEDIATELY  
FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MIN.

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Fire Fighting Measures  
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Flash Point Method:CC  
Flash Point:NONE  
Extinguishing Media:USE WATER SPRAY.  
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A  
FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL  
FIRE EXPOSED CONTAINERS WITH WATER SPRAY.  
Unusual Fire/Explosion Hazard:STRONG OXIDIZER. CONTACT WITH OTHER  
MATERIAL MAY CAUSE FIRE.

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Accidental Release Measures  
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Spill Release Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE CLOTHING.  
STOP LEAK IF YOU CAN DO SO WITHOUT RISK. KEEP COMBUSTIBLES (WOOD,  
PAPER, OIL,

ETC.) AWAY FROM SPILLED MATERIAL. FLUSH AREA W/FLOODING  
AMTS OF WATER. (USE CAUTION.)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP CNTNR TIGHTLY CLOSED. STORE  
SEPARATELY & AWAY FROM FLAMMABLE & COMBUSTIBLE MATERIALS. KEEP  
CNTNRS OUT OF SUN & AWAY FROM HEAT. STORE ABOVE 6C.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:RESPIRATORY PROTECTION REQUIRED IF AIRBORNE  
CONCENTRATION EXCEEDS TLV. AT CONCENTRATIONS UP TO 5 PPM, A  
NIOSH/MSHA APPRVD CHEMICAL CARTRIDGE RESPIRATOR W/ACID CARTRIDGE IS  
RECOMMENDED. ABOVE THIS LEVEL, NIOSH/MSHA APPRVD SCBA IS ADVISED.

Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV  
REQUIREMENTS.

Protective Gloves:SYNTHETIC RUBBER GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES,(SEE SUPP DATA)

Other Protective Equip

ment:UNIFORM, PROTECTIVE SUIT.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

EMER PH #: (NATIONAL RESPONSE CENTER); 800- 424-9300 (CHEMTREC). FIRE  
FIGHT PROC: W/O RISK. USE WATER TO KEEP FIRE- EXPOSED CONTAINERS  
COOL. EYE PROT: MAY ADD FULL LENGTH FACESHIELD TO GOGGLES .

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

HCC:T2

Boiling Pt:B.P. Text:138F,59C

Melt/Freeze Pt:M.P/F.P Text:19.0F,-7.2C

Vapor Pres:226

Vapor Density:7.

1(AIR=1)

Spec Gravity:3.12

Solubility in Water:MODERATE (1-10%)

Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG REDUCING AGENTS, COMBUST MATLS, MOST COMMON METALS, POTASSIUM,  
ALKALIES, ORG MATLS, ALCOHOLS, AMINES & AMMONIA.

Stability Condition to Avoid:HEAT, MOISTURE, SUNLIGHT.

Hazardous Decomposition Products:HYDROGEN BROMIDE.

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

Waste Disposal Methods:DISPOSE I/A/W ALL APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS. EPA HAZARDOUS WASTE NUMBER:D001, D002 (IGNITABLE, CORROSIVE WASTE).

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