

J T BAKER INC -- 9156, BENZENE -- 6810-00-978-1878

===== Product Identification =====

Product ID:9156, BENZENE

MSDS Date:07/30/1986

FSC:6810

NIIN:00-978-1878

MSDS Number: BNBSH

=== 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:800-582-2537

Emergency Phone Num:908-859-2151;800-424-9300(CHEMTREC)

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

===== Composition/Information on Ingredients =====

Ingred Name:BENZENE; (BENZOL) (SARA III)

CAS:71-43-2

RTECS #:CY1400000

Fraction by Wt: 90-100%

Other REC

Limits:STEL: 25 PPM (MFR)  
OSHA PEL:1 PPM;5 PPM STEL  
ACGIH TLV:10 PPM  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

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

LD50 LC50 Mixture:LD50: (ORAL, RAT) 4894 MG/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:ACUTE: INHALATION OF VAPORS MAY CAUSE  
HEADACHE, NAUSEA, DIZZINESS, FATIGUE AND WEAKNESS IN ARMS/LEGS.  
CHRONIC: CHRONIC  
EFFECTS OF OVEREXPOSURE MAY INCLUDE KIDNEY &/OR  
LIVER DAMAGE. IRREVERSIBLE INJURY TO BLOOD FORMING TISSUE MAY  
RESULT FROM CHRONIC LOW LEVEL EXPOSURE. INHALATION OF BENZENE MAY  
CAUSE APLASTIC ANEMIA.  
Explanation of Carcinogenicity:BENZENE: GROUP 1 (IARC), GROUP 1 (NTP),  
ACGIH GRP A2, OSHA REGULATED.  
Effects of Overexposure:SEE HEALTH HAZARDS.  
Medical Cond Aggravated by Exposure:NONE IDENTIFIED.

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

First Aid:CALL  
MD. -- INGEST: DO NOT INDUCE VOMIT. IF CONSCIOUS, GIVE  
WATER, MILK OR MILK OF MAGNESIA. INHAL: REMOVE TO FRESH AIR. IF NOT  
BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT,  
GIVE OXYGEN. EYES/SKIN: IMMEDIATELY FLUSH W/PLENTY OF WATER FOR AT  
LEAST 15 MINUTES.

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

Flash Point Method:CC  
Flash Point:12F,-11C  
Lower Limits:1%  
Upper Limits:7%  
Extinguishing Media:USE ALCOHOL FOAM, DRY CHEMICAL OR CARBON  
DIOXIDE.  
(WATER MAY BE INEFFECTIVE).  
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROT  
EQUIP . MOVE CONTRS FROM FIRE AREA IF POSSIBLE WITHOUT RISK. USE  
WATER TO KEEP FIRE-EXPOSED CONTRS COOL.  
Unusual Fire/Explosion Hazard:VAPORS MAY FLOW ALONG SURFACES TO DISTANT  
IGNITION SOURCES & FLASH BACK. CLOSED CONTRS EXPOSED TO HEAT MAY  
EXPLODE. CONTACT W/STRONG OXIDIZERS MAY CAUSE FIRE.

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

Spill Releas

e Procedures:WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP.  
SHUT OFF IGNIT SOURCES; NO FLARES/SMKG/FLAMES IN AREA. STOP LEAK IF  
POSSIBLE W/O RISK. USE WATER SPRAY TO REDUCE VAPS. TAKE UP  
W/SAND/OTHER NON-COMBUST A BSORB MATL (J. T. BAKER SOLUSORB (SUPP  
DATA)  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. STORE  
IN A COOL, DRY, WELL-VENTILATE  
D, FLAMMABLE LIQUID STORAGE AREA OR  
CABINET.

Other Precautions:POISON! DANGER! EXTREMELY FLAMMABLE. HARMFUL IF  
SWALLOWED/INHALED/ABSORBED THRU SKIN. CAUTION: CONTAINS BENZENE,  
CANCER HAZARD. KEEP AWAY FROM HEAT, SPARKS, FLAME. AVOID CONTACT  
W/EYES, SKIN CLTHG. AV OID BREATHING VAP. USE W/ADEQ VENT.

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

Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATORY PROTECTION  
REQUIRED IF AIRBORNE CONCENTRATION EXCEEDS T  
LV. AT CONCENTRATIONS  
ABOVE 10 PPM, A NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING  
APPARATUS IS ADVISED.

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

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:CHEM WORK GOGG/FULL LENGTH FSHLD .

Other Protective Equipment:UNIFORM, PROTECTIVE SUIT ARE RECOMMENDED.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

SPILL PROC: SOLVENT ABSORBENT IS RECOMMENDED) AND PLACE INTO  
CONTAINER

FOR LATER DISPOSAL. FLUSH AREA WITH WATER.

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

Boiling Pt:B.P. Text:176F,80C

Melt/Freeze Pt:M.P/F.P Text:43.0F,6.1C

Vapor Pres:74.6

Vapor Density:2.8

Spec Gravity:0.88 (H\*2O=1)

Solubility in Water:NEGLIGIBLE (