

9155, BENZENE

MSDS Number

BNBJC

National Stock Number

6810-00N028702

Product Name

9155, BENZENE

Manufacturer

J T BAKER INC

Product Identification

Product ID:9155, BENZENE

MSDS Date:07/30/1986

FSC:6810

NIIN:00N028702

MSDS Number: BNBJC

Responsible Party

J T BAKER INC

222 RED SCHOOL LANE

PHILLIPSBURG , NJ 08865-2219

US

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

Info Phone: 800-582-2537

Cage: DO803

Contractor

MALLINCKRODT BAKER, INC.

PHILLIPSBURG, NJ 08865

US

800-582-2537

Cage: 70829

Ingredients

BENZENE (SARA III)

CAS: 71-43-2

RTECS: CY1400000

Fraction By Weight: 90-100%

OSHA PEL1 PPM; 5 STEL

ACGIH TLV: 10 PPM

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:INHAL OF VAPORS MAY CAUSE HEADACHE, NAUSEA, DIZZINESS, FATIGUE AND WEAKNESS IN ARMS AND LEGS. CHRONIC EFFECTS OF OVEREXPOSURE MAY INCLUDE KIDNEY AND/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: (IARC) GROUP 1, (NTP) GROUP 1, (ACGIH) GROUP A2, OSHA REGULATED.

Effects of Overexposure: SEE HEALTH HAZARDS.

Medical Condition Aggravated by Exposure: NONE IDENTIFIED.

First Aid

First Aid: CALL A PHYSICIAN. INGEST: DO NOT INDUCE VOMITING; IF CONSCIOUS, GIVE WATER, MILK OR MILK OF MAGNESIA. INHAL: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTF RESP. IF BRTHG IS DIFFICULT, GIVE O2. EYE/ SKIN: IMMEDIATELY FLUSH EYES OR SKIN WITH PLenty OF WATER FOR AT LEAST 15 MIN.

Fire Fighting

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 AND FULL PROTECTIVE EQUIP. MOVE CONTAINERS FROM FIRE AREA IF CAN BE DONE WITHOUT RISK. USE H2O TO KEEP FIRE-EXPOSED CONTAINERS COOL.

Unusual Fire/Explosion Hazard: VAPORS MAY FLOW ALONG SURFACE TO DISTANT IGNITION SOURCES AND FLASH BACK. CLOSED CONTAINERS EXPOSED TO HEAT MAY EXPLODE. CONTACT WITH STRONG OXIDIZERS MAY CAUSE FIRE.

Accidental Release

Spill Release Procedures: WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE CLOTHING. SHUT OFF IGNITION SOURCES; NO FLARES, SMOKING/FLAMES IN AREA. STOP LEAK IF POSSIBLE WITHOUT RISK. USE H2O SPRAY TO REDUCE VAPORS. TAKE UP W/ SAND/OTHER NON-COMBUSTIBLE ABSORBENT MATERIAL & PLACE INTO CONTAINER FOR (SUPPLEMENTAL DATA)

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Handling

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

Other Precautions: KEEP AWAY FROM HEAT, SPARKS, FLAME. AVOID CONTACT WITH EYES, SKIN, CLOTHING. AVOID BREATHING VAPOR. USE WITH ADEQUATE VENTILATION.

Exposure Controls

Respiratory Protection: NONE SPECIFIED BY MANUFACTURER. RESPIRATORY PROTECTION REQUIRED IF AIRBORNE CONCENTRATION EXCEEDS TLV. AT CONCENTRATIONS ABOVE 10 PPM, A NIOSH/MSHA APPROVED SCBA IS ADVISED.

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

Protective Gloves: IMPERMEABLE GLOVES.

Eye Protection: CHEM WORK GOGGLES/FULL LENGTH FACE SHIELD.

Other Protective Equipment: UNIFORM, PROTECTIVE SUIT, LAB COAT, APRON.

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

SPILL PROC: LATER DISPOSAL. FLUSH AREA WITH WATER. JT BAKER SOLUSORB SOLVENT ABSORBENT IS RECOMMENDED FOR SPILLS OF THIS PRODUCT.

Chemical Properties

HCC: F3

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

Melt/Freeze Point: M.P/F.P Text: 42.8F, 6.0C

Vapor Pressure: 74.6

Vapor Density: 2.8

Specific Gravity: 0.88 (H2O=1)

Solubility in Water: NEGLIGIBLE (Appearance and Odor: CLEAR, COLORLESS LIQUID HAVING CHARACTERISTIC

AROMATIC ODOR.
Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS, SULFURIC ACID, NITRIC ACID.
Stability Condition to Avoid:HEAT, FLAME, SOURCES OF IGNITION.
Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

Disposal

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH ALL APPLICABLE
FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS. EPA HAZ WAST #
U019. (TOXIC WASTE).

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