

9156, BENZENE

MSDS Number

BNBSH

National Stock Number

6810-00-978-1878

Product Name

9156, BENZENE

Manufacturer

J T BAKER INC

Product Identification

Product ID:9156, BENZENE

MSDS Date:07/30/1986

FSC:6810

NIIN:00-978-1878

MSDS Number: BNBSH

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; (BENZOL) (SARA III)

CAS: 71-43-2

RTECS: CY1400000

Fraction By Weight: 90-100%

OSHA PEL1 PPM;5 PPM STEL

ACGIH TLV: 10 PPM

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

Hazards

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

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

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

Spill Release 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

Handling and Storage Precautions: KEEP CONTAINER TIGHTLY CLOSED. STORE IN A COOL, DRY, WELL-VENTILATED, 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. AVOID BREATHING VAP. USE W/ADEQ VENT.

Exposure Controls

Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATORY PROTECTION REQUIRED IF AIRBORNE CONCENTRATION EXCEEDS TLV. 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.

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*20=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

INCOMPATIBLE WITH 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 WASTE#: U019 (TOXIC WASTE).

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