

MALLINCKRODT INC.,SCIENCE PRODUCTS DIVISION -- BENZENE AR -- 6810-00-281-5266

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

Product ID:BENZENE AR

MSDS Date:01/01/1987

FSC:6810

NIIN:00-281-5266

MSDS Number: BDSZW

=== Responsible Party ===

Company Name:MALLINCKRODT INC.,SCIENCE PRODUCTS DIVISION

Address:PARIS BYPASS

Box:M

City:PARIS

State:KY

ZIP:40361

Country:US

Info Phone Num:314-982-5000

Emergency Phone Num:

314-982-5000

CAGE:62910

=== Contractor Identification ===

Company Name:MALLINCKRODT SPECIALTY CHEMICALS CO

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:908-859-2151

CAGE:62910

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

Ingred Name:BENZENE (SARA III)

CAS:71-43-2

RTECS #:CY1400000

Fraction by Wt: >99%

OSHA PEL:1PPM/5STEL;1910.1028

ACGIH TLV:10 PPM; A2; 9192

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

===== Hazards Id

entification =====

Effects of Overexposure:INH:MAY BE FATAL.MAY CAUSE DIZZ,HEAD,LVR/KDNY
DAMG;ING:SAME AS INH;SKIN/EYES:IRRITANT.MAY CAUSE PAIN

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

First Aid:INHAL:RMV TO FRESH AIR. IF NEEDED,GIVE CPR/OXYGEN.GET
MD;INGEST:GIVE SEVRL GL OF WATER.DO NOT INDUCE VOMITG.IMMED GET
MD;SKIN:FLUSH W/LG QTY OF H*2O FOR 15 MIN.REMV CONTMNTD CLOTHES.GET
MD;EYES;IMMED FLUSH W/PLENTY OF H*2O FOR AT LEAST 15 M
IN.GET MD.

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

Flash Point:-11C(12F)-C.C
Lower Limits:1.0
Upper Limits:8.0
Extinguishing Media:DRY POWDER, FOAM, CARBON DIOXIDE
Fire Fighting Procedures:WEAR SELF-CNTD BRTHG,APP H*2O SPRAY TO COOL
CONTR.
Unusual Fire/Explosion Hazard:EXPLOSIVE VAPOR/AIR MIXTURES MAY FORM
ABOVE FLASH POINT.CONTAINER MAY EXPLODE IN HEAT OR FLAME.

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

Spill Release Procedures:
VENTILATE & EVAC AREA.USE PROTCTV CLOTHG &
RESP PROTCTION FM VAP.CONTAIN & RECOVR LIQ WHEN POSS.SPILLS MAY BE
ABSORBD W/SAND,VERMICULITE OR OTHER INERT MATL & CONTAINERIZE FOR
DISPOSAL.USE H*2O SPRAY TO DISPRS VAPS,TO FLUSH AWAY/DILUTE
SPILLS.RMV IGN

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

Handling and Storage Precautions:KEEP IN TIGHTLY CLOSED CONTNRS AT
COOL,DRY,VENTILATED PLACE.PROTECT AGAINST PHY DAMAGE.OUTSIDE OR
DETACHED STORAGE IS PRE
FERRED.KEEP AWAY FM OXIDIZERS
Other Precautions:AVOID BREATHING DUST.USE W/ADEQUATE VENTILATION.KEEP
CONTAINRS CLOSED.WASH THOROUGHLY AFTER HANDLING.AVOID SKIN,EYES &
CLOTHING CONTACT;CANCER HAZRD; OVEREXPOSURE MAY CREATE CANCER RISK.

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

Respiratory Protection:SUPPLIED AIR RESPIR/SCBA; ESCAPE: GAS MASK
Ventilation:LOCAL EXHAUST TO MAINTN BELOW TLV.
Protective Gloves:IMPERVIOUS
Eye Protection:GOGGLES/FACE SHIELD
Other Prot

ective Equipment:FULL PROTECTIVE CLOTHING,SAFETY SHOWER,EYE
WASH STATION
Supplemental Safety and Health
MSDS FM MFR DATED JAN 85 CONFORMS TO OSHA HAZ COMM STD; BENZENE IS
CARCINOGEN DIFINED BY IARC, MAK, NIOSH, NTP & ACGIH-SEE ACGIH
1985,VOL 13,TABLE A3;

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

HCC:F2
Boiling Pt:B.P. Text:80C(176F)
Vapor Pres:100
Vapor Density:2.7
Spec Gravity:0.88
Evaporation Rate & Reference:2.8(ETHER=1)
Solubility in Water:NEGLIGI
BLE
Appearance and Odor:CLEAR COLORLESS LIQ;SWEET AROMATIC ODOR.
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
OXIDIZERS,CORROSIVE MATL(CLF*3,H*2SO*4,K,CHROMIC ANHYDRIDE)
Stability Condition to Avoid:IGNITION SOURCES
Hazardous Decomposition Products:TOXIC GASES & VAPOR SUCH AS CARBON
MONOXIDE

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

Waste Disposal Methods:WASTE CAN
BE ATOMIZED IN A CHEMICAL INCINERATOR
SUITABLE FOR BURNING HAZARDOUS WASTE & EQUIPPED W/AN AFTERBURNER &
SCRUBBER SYSTEM.ENSURE COMPLIANCE W/LOCAL,STATE & FED REGS.
CWA/CERCLA RQ: 1000LBS.

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