

MALLINCKRODT INC.,SCIENCE PRODUCTS DIVISION -- BENZENE AR -- 6810-00-281-2764

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Product Identification
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Product ID: BENZENE AR

MSDS Date: 01/01/1987

FSC: 6810

NIIN: 00-281-2764

MSDS Number: BDSVZ

=== 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

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Composition/Information on Ingredients
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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

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Hazards I

dentification =====

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
MIN.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 PR
EFERRED.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 Pro

Protective 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 DEFINED 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:NEGLIG

IBLE

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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