

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

Product ID:HEPTANE

MSDS Date:01/01/1987

FSC:6810

NIIN:00-470-4631

MSDS Number: BDZPW

=== 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:N-HEPTANE

CAS:142-82-5

RTECS #:MI7700000

Fraction by Wt: >99%

OSHA PEL:500 PPM/500 STEL

ACGIH TLV:400 PPM/500STEL;9293

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

Effects of Overexposure:INH:MAY IRRIT RESP TRACT.CAUSES

HEADACHE,DIZZ,NAUSEA

;ING:SYMP LIKE INH;SKIN/EYES:VAP/LIQ IRRITANT.

===== 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 F LUSH W/PLENTY OF H*2O FOR AT LEAST 15 MIN.GET MD.

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

Flash Point:-3.9C(25F)-CC
Autoignition
Temp:Autoignition Temp Text:215C
Lower Limits:1.05
Upper Limits:6.7
Extinguishing Media:DRY CHEMICALS,FOAM,CO*2;WATER SPRAY TO KEEP EXPSD CANS COOL
Fire Fighting Procedures:USE H*2O TO COOL EXPD CONTRS. USE SCBA & FULL PROT.CLTHG.
Unusual Fire/Explosion Hazard:ABOVE FLASH POINT,VAP-AIR MIXTURES ARE EXPLOSIVE.A DANGEROUS EXPLOSION HAZARD WHEN HEATED.

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

Spill Release Procedures:RMV IGN SOURCES.VENT AREA.USE RESP PROTC TION & PROTCTV CLOTHG.KEEP OUT OF SURF H*2O,SEWRS/CONFND AREAS;SM SPILL:ABSORB W/PAPER TOWELS.EVAP UNDER FUME HOOD THEN BURN CAREFULLY;LG SPILL:DIKE AREA.CONTAI N & RECOVER SPILL IF POSS;SHOVL RESDUE INTO DRUMS.

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

Handling and Storage Precautions:PROTCT AGAINST PHYSICAL DAMAGE.STORE IN COOL,DRY WELL VNTLTD AREA AWAY FM IGN/HEAT SOURCES,OXIDZG MATL.OUTSIDE OR DETACHED STORAGE IS PREFERRED.
Other Precaution
s:KEEP AWAY FROM HEAT,SPARKS,FLAMES.KEEP CONTNRS CLOSED.USE W/ADEQUATE VENT.AVOID BRTHG VAPS.WASH THOROUGHLY AFTER HNDLG.BOND/GROUND CONTNRS WHEN TRNSFRG MATERL.USE NON-SPARKG TYPE TOOL & EQUIP.

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

Respiratory Protection:FULL FACE RESPIRATOR
Ventilation:LOCAL EXHAUST TO MAINTN BELOW TLV.
Protective Gloves:IMPERVIOUS
Eye Protection:SAFETY/CHEM GOGGLES
Other Protective Equipment:FULL PROTECTIVE CLOTHING,SAFETY SHOWER,EY

E

WASH STATION

Supplemental Safety and Health

MSDS FROM MFR DATED 30 JUL, 85 CONFORMS TO OSHA HAZ COMM STD.

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

HCC:F2

Boiling Pt:B.P. Text:98C(209F)

Vapor Pres:40

Vapor Density:3.5

Spec Gravity:0.683

Appearance and Odor:COLORLESS LIQ.MILD GASOLINE-LIKE ODOR.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:HE

AT, IGNITION SOURCES

Hazardous Decomposition Products:CO, CO*2 WHEN HEATED TO DECOMPOSITION

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

Waste Disposal Methods:LG SPILL & LOT SIZES OF HAZ WASTE CAN BE
ATOMIZED IN A RCRA APPRVD COMBUSTION CHAMBER OR DISPOSED OF IN A
RCRA APPROVED LAND FILL FACILITY.DO NOT FLUSH TO SEWER.ENSURE
COMPLIANCE W/FED,STATE & LOCAL R EGS; REPORTABLE QTY (RQ)
(CWA/CERCLA): NOT KNOWN

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