

MALLINCKRODT INC.,SCIENCE PRODUCT DIVISION -- ACETONITRILE -- 6810-00-051-5871

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Product Identification
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Product ID:ACETONITRILE

MSDS Date:01/01/1987

FSC:6810

NIIN:00-051-5871

MSDS Number: BCWCT

=== Responsible Party ===

Company Name:MALLINCKRODT INC.,SCIENCE PRODUCT DIVISION

Address:PARIS BYPASS

Box:M

City:PARIS

State:KY

ZIP:40361

Country:US

Info Phone Num:314-982-5000

Emergency Phone N

um:314-982-5000

Preparer's Name:NOT PROVIDED

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:ACETONITRILE (SARA III)

CAS:75-05-8

RTECS #:AL7700000

Fraction by Wt: >99%

OSHA PEL:40PPM/60 STEL

ACGIH TLV:40PPM/60STEL; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LB

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

Effects of Overexposure:INH:NOSE/THRT IRRIT,TIGHTLCHEST
NAUSEA,VOMIT;ING:GASTRIC IRRIT;EYES/SKIN:IRRIT,REDNESS & PAIN.

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

First Aid:INHAL:REMOVE TO FRESH AIR.GIVE CPR/OXYGEN IF NEEDED;INGEST:IF
SWALLOWED,GIVE TWO GLASSES OF WATER & INDUCE VOMIT.NOTHING BY MOUTH
IF UNCON;SKIN/EYE EXPOSURE:RMV CONTMNTD CLOTHG.WASH SKIN W/SOAP &
H*2O .FLUSH SKI
N/EYES W/LG H*2O;GET MED HELPIIMMEDIATLY

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

Flash Point Method:CC
Flash Point:=5.6C, 42.F
Autoignition Temp:Autoignition Temp Text:524C
Lower Limits:4.4
Upper Limits:16.0
Extinguishing Media:DRY CHEM,FOAM,CO*2;WATER SPRAY:TO KEEP EXPSD CANS
COOL
Fire Fighting Procedures:USE H*20 TO COOL EXPD CONTRS. USE SCBA & FULL
PROT.CLTHG.
Unusual Fire/Explosion Hazard:ABOVE FLASH POINT,VAP-AIR MIXTURES ARE
EXPLOSIVE WITHIN FLAMMA
BLE LIMITS;AUTO IGN TEMP:524C(975F)

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

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

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

Handling and Storage Precautions

:KEEP IN TIGHTLY CLOSED

CONTAINERS, STORED IN COOL, DRY, VENTILATED AREA. PROTECT AGAINST PHYSICAL DAMAGE. ISOLATE FM INCOMPATIBLE MATL, HEAT & SUNLIGHT, ETC.

Other Precautions: AVOID BREATHING VAP. KEEP CONTNR CLOSED. USE W/ADEQ VENT. DO NOT GET IN EYES, SKIN, OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLG. KEEP AWAY FM HEAT. OUTSIDE/DETACHED STORAGE PREFERRED; BOND/GRD DRUMS.

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===== 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 Protective Equipment: FULL PROTECTIVE CLOTHING, SAFETY SHOWER, EYE WASH STATION

Supplemental Safety and Health

MSDS FM MFR DATED: 8/1/85 WHICH CONFORMS TO OSHA HAZ COMM STDS; EM. FIRST AID: KEEP A CYANIDE ANTIDOTE KIT IN AREA OF PRODUCT USE OR STORAGE. ADMINISTER AMYL NITRATE PER PRE-PLANNED DIRECTIONS.

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

HCC: F2

NRC/State Lic Num: NOT RELEVANT

Boiling Pt: =81.7C, 179.F

Vapor Pres: 73

Vapor Density: 1.4

Spec Gravity: 0.787

Evaporation Rate & Reference: 5.79 (BU-ACETATE=1)

Solubility in Water: COMPLETE

Appearance and Odor: CLEAR COLORLESS LIQ, ETHER-LIKE ODOR.

Percent Volatiles by Volume: UNK

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

Stability Indicator/Materials to Avoid: YES

WATER, ACIDS, OXIDIZING MATL, H*2SO*4, OLEUM, CHLOROSULFONIC ACID

Stability Condition to Avoid

:HEAT, IGNITION SOURCES

Hazardous Decomposition Products:TOXIC FUMES OF HCN ABOVE
120C(248F).MAY GIV CO/NITROUSOXIDE

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

Waste Disposal Methods:COLLECT SPILLS & ITOMIZE IN A RCRA-APPROVED
COMBUSTION CHAMBER,OR CAN BE REACTED IN AN ALKALINE HYPOCHLORITE
SOLUTION TO PRODUCE CYANATE & THEN NEUTRALIZED;ENSURE COMPLIANCE
WITH LOCAL,STATE & FEDERAL REGULATIONS;CWA/CRCLA REPORTABLE
QYT:5000 LBS.

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