

MALLINCKRODT INC.,SCIENCE PRODUCT DIVISION -- AMMONIUM HYDROXIDE -- 6810-00-817-9929

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Product Identification
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Product ID:AMMONIUM HYDROXIDE

MSDS Date:01/01/1987

FSC:6810

NIIN:00-817-9929

MSDS Number: BFQSG

=== 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

Emerg

ency 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:AMMONIUM HYDROXIDE (SARA III)

CAS:1336-21-6

RTECS #:BQ9625000

Fraction by Wt: 29.4%

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:PER MFR SPEC ABOVE SOLUTION IS 26 BE DEGREE AT

60F.(4/30/86)
RTECS #:9999999ZZ

Ingred Name:WATER; CAS #7732-18-5
CAS:7732-18-5
RTECS #:ZC0110000
Fraction by Wt: 70.6%

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Hazards Identification
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Effects of Overexposure:INH:MAY IRRIT RESP TRACT;ING:TOXIC.MAY CAUSE
CORR TO ESOPHAGUS;SKIN/EYES:MAY CAUSE SKIN/EYE BURNS.

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First Aid Measures
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First Aid:INHAL:RMV TO FRESH AIR.IF NEEDED,GIVE CPR/OXYGEN.GET
MD;INGEST:GIVE SEVRL GL OF WATER.DO NO
T 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.

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Fire Fighting Measures
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Flash Point:NONE
Autoignition Temp:Autoignition Temp Text:651C
Extinguishing Media:USE ANY MEANS SUITABLE FOR EXTINGUISHING
SURROUNDING FIRE.
Fire Fighting Procedures:WEAR SELF-CNTD BRTHG,APP H*2O SPRAY TO COOL
CONTR.
Unusual Fire/Explosion Hazard:NOT C
ONSIDERED TO BE AN EXPLOSION HAZARD.

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Accidental Release Measures
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Spill Release Procedures:VENTILATE & EVAC AREA.USE PROTCTV CLOTHG &
RESP PROTCTION FM VAP.CONTAIN & RECOVR LIQ WHEN POSS.SPILLS MAY BE
ABSORBD W/INERT MATL & COLLECTD FOR DISPL;NEUTRALIZE SPILL W/DIL
HCL/H*2SO*4 & DISCHARGE T O SEWER.CONSDR PH.REGS;NEVER FLUSH
DIRCTLY TO SEWR

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Handling and Storage
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Handling and Storage Precautio

ns:KEEP IN TIGHTLY CLOSED CONTNRS AT
COOL, DRY, VENTILATED PLACE. PROTECT AGAINST PHY DAMAGE. PROTECT FM
DIRECT SUNLIGHT. WASH THOROUGHLY AFTER HANDLING.
Other Precautions: AVOID BREATHING DUST. USE W/ADEQUATE VENTILATION. KEEP
CONTAINRS CLOSED. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING; THIS IS
CLASSFD AS A POISON UNDR THE FED CAUSTIC POISON ACT; CLOSE CAP AFTER
USE.

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

Respiratory Protection: SUPPLIED AIR RESPIR/SCBA; E
SCAPE: 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: 07/22/85, CONFORMS TO OSHA HAZ COMM STD; VAP PR AT 20C
FOR AMMONIA NOTED 115(MM HG); PER MFR SOLUTION STRENGTH: 26BE(29.4%)
AT 60F; ITEM IS TYPE I OF SPEC O-A-451

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

HCC: B1
Boiling Pt: =36.1C, 97.F
B.P. Text: 36C(97F)
Vapor Pres: 115
Vapor Density: 1.2
Spec Gravity: 0.9
Evaporation Rate & Reference: NONE KNOWN
Solubility in Water: COMPLETE
Appearance and Odor: CLEAR, COLORLESS SOLUTION, ODOR OF AMMONIA
Percent Volatiles by Volume: UNK

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

Stability Indicator/Materials to Avoid: YES
OXIDIZERS, ACIDS, HALOGENS, AGNO*3, OLEUM, BETA-PROPIOLACTONE.
Stability Condition to Avoid: NOT KNOWN
Hazardous Decomposition

Products:OXIDES OF NITROGEN, AMMONIA WHEN HEATED TO DECOMPOSITION.

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

Waste Disposal Methods:DISCHARGE NEUTRALIZED SPILL/WASTE LIQ TO SEWERS.REGULATIONS FOR PH,AMMONIA CONTENT AND SALTS FOR EFFLUENTS MUST BE CONSIDERED.DISPOSE OF THE ABOSRBED SPILL IN AN RCRA APPROVED FACILITY.ENSURE COMPLIAN CE W/LOCAL,FED & STATE REGS;CWA/CERCLA RQ:1000LBS.

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