

MCKESSON CHEM CO (DIST: AMERICAN DEVEL-FSCM 3J729) -- AQUA AMMONIA --
6810-00-817-9929

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

Product ID:AQUA AMMONIA

MSDS Date:01/01/1987

FSC:6810

NIIN:00-817-9929

MSDS Number: BFQSL

=== Responsible Party ===

Company Name:MCKESSON CHEM CO (DIST: AMERICAN DEVEL-FSCM 3J729)

Address:33950 7TH STREET

City:UNION CITY

State:CA

ZIP:94587-3522

Country:US

Emergency Phone Num:NO

NE

CAGE:98092

=== Contractor Identification ===

Company Name:MCKESSON CHEM CO MCKESSON CHEMICAL CO DIVISION

Address:33950 7TH STREET

Box:City:UNION CITY

State:CA

ZIP:94587-3522

Country:US

CAGE:98092

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

Ingred Name:AMMONIA (SARA III)

CAS:7664-41-7

RTECS #:BO0875000

Fraction by Wt: 28.5%

OSHA PEL:50 PPM

ACGIH TLV:25 PPM/35 STEL; 9293

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

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

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Effects of Overexposure:INHAL-CORROS TO MUCOUS MEMBRN. EYES & SKIN-VERY CORROS. INGEST-VERY CORROS. LGD AMTS VAP OR LIQ-FATL

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

First Aid:INHAL-GET TO FRESH AIR. GET MD ATTN. EYES/SKIN-FLUSH WITH WATER 30 MIN, GET MED ATTN. WASH CONTAM CLOTH. INGEST-DO NOT INDUCE VOMIT, IF CONSC, GIVE LOTS OF WATER. GET IMMED MED ATTN.

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

Flash Point:NO
NE

Lower Limits:16
Upper Limits:25

Extinguishing Media:WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE

Fire Fighting Procedures:USE SLF-CONT BREATH APPAR. USE WATER TO COOL NEAR STRUC/CONT

Unusual Fire/Explosion Hazard:FLAM AMMONIA GAS WILL BE LIBERATED AT ALL TEMPS WHICH CAN BE EXPLOSIVE UNDER SOME SITUATIONS.

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

Spill Release Procedures:WEAR ALKALI-RESIST SLICKER SUIT & COMPL PROTECT EQUIP, INCL RUBBER GLOVES/BOOTS. SML-W
IPE UP & PLACE IN

DOT-APPRD WASTE CONT. LGE-DIKE W/SOIL/OTHER ABSORB MATL & NEUT W/DILUTE HCL. KEP NON-NEUT MATL O UT OF SEWERS, STORM DRAINS, SURFACE WATERS & SOIL.

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE. VENT CONT
FREQ. KEEP CONTR CLOSED WHEN NOT IN USE. WASH THOROUGHLY AFTER
HANDLING. DO NOT GET IN EYES, ON SKIN OR CLOTHING

Other Precautions:ALWAYS OBEY HAZARD WARNINGS AND HANDLE EMP
TY
CONAINERS AS IF FULL.

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

Respiratory Protection:NIOSH-APPRD CANNITER RESPIR IF INADEQ ENVIRON
CONTROLS AT PLACE USED

Protective Gloves:RUBBER W/GAUNTS

Eye Protection:CHEM GOGGLES/FACE SHIELD

Other Protective Equipment:IF NC-ALKALI RESIST SLICKER SUIT;BOOTS.
EYEWASH,SAFETY SHOW.

Supplemental Safety and Health

MSDS DATED 11/1/85. O-A-451, TYPE I.

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

HCC:B1

Boiling Pt:=27.8C, 82.F

Vapor Pres:560

Vapor Density:0.60

Spec Gravity:0.90

Evaporation Rate & Reference:>1 (BUTYL ACET =1)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, WATER-WHITE LIQ;STRONG PUNGENT AMMONIA ODOR

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

Stability Indicator/Materials to Avoid:YES

ACIDS, OXIDIZING MATLS

Stability Condition to Avoid:HEAT, SPARKS, OPEN FLAMES

Hazardous Decomposition Products:AMMONIA GAS

===== Dispos

al Considerations =====

Waste Disposal Methods:IN A MANNER APPRD FOR THIS MTERIAL. CONSULT LOCAL, STATE AND FEDERAL REG AGENCIES FOR PEOPER PROCEDURES.

NOTE:EMPTY CONTRS CAN HAVE RESIDUES, GASES AND MISTS AND ARE SUBJ TO PROPER WASTE DISPOSAL, AS ABOVE.

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