

MICHLIN CHEMICAL CORPORATION -- O-A-451,AMMONIUM HYDROXIDE,TECHNICAL,TY.1 --  
6810-00-817-9929

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

Product ID:O-A-451,AMMONIUM HYDROXIDE,TECHNICAL,TY.1

MSDS Date:01/01/1985

FSC:6810

NIIN:00-817-9929

MSDS Number: BFQSJ

=== Responsible Party ===

Company Name:MICHLIN CHEMICAL CORPORATION

Address:10501 HAGGERTY ST

City:DEARBORN

State:MI

ZIP:48126

Country:US

Emergency Pho

ne Num:NONE

CAGE:8H736

=== Contractor Identification ===

Company Name:MICHLIN CHEMICAL CORPORATION

Address:10501 HAGGERTY ST

Box:City:DEARBORN

State:MI

ZIP:48126

Country:US

Phone:313-846-5700/800-424-9300(CHEMTREC)

CAGE:8H736

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

Ingred Name:AMMONIUM HYDROXIDE (SARA III)

CAS:1336-21-6

RTECS #:BQ9625000

Fraction by Wt: 29.0%

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt

: 71.0%

=====  
Hazards Identification  
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Effects of Overexposure:IRRITATION OF EYES AND  
SUPPORT,HEADACHE,SALIVATION,NAUSEA,VOMITING,COUGH,PULMONARY  
EDEMA,ULCERATION.

=====  
First Aid Measures  
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First Aid:FLUSH CONTACTED AREA WITH WATER FOR AT LEAST 15  
MINUTES.CONSULT PHYSICIAN.IRRIGATE EYES WITH WATER,THEN INSTILL  
OLIVE OIL.WASH CONTAMINATED AREAS OF BODY WITH SOAP AND  
WATER.SUPPLY OXYGEN,WITH US  
E OF INTERMITTENT POSITIVE PRESSURE  
BREATHING APPARATUS

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

Flash Point:NONE  
Lower Limits:16.0  
Upper Limits:25.0  
Extinguishing Media:PRODUCT IS NON COMBUSTIBLE  
Fire Fighting Procedures:NONE  
Unusual Fire/Explosion Hazard:AMMONIA VAPORS RELEASED FROM SOLUTION CAN  
FORM AN EXPLOSIVE MIXTURE WITH AIR AS DESCRIBED ABOVE.

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Accidental Release Measures  
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Spill Release Procedures:NEUTRALIZE WITH HCL.WIPE WITH MOP OR USE WATER  
ASPIRATOR.DRAIN INTO APPROVED DISPOSAL AREA.

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Handling and Storage  
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Handling and Storage Precautions:BOTTLES WITH GLASS,PLASTIC OR RUBBER  
PLUG MUST NOT BE FILLED COMPLETELY TO THE BRIM AND MUST BE STORED  
IN COOL PLACE.KEEP AWAY FROM STRONG ACIDS.

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Exposure Controls/Personal Protection  
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Respiratory Protection:SELF CONTAINED AIR BRATHING APPARATUS,OR GENERAL  
PURPOSE GAS MASK

SK

Ventilation:SUFFICIENT TO KEEP AMMONIA CONCENTRATION AT LESS THAN 50 PPM

Protective Gloves:RUBBER

Eye Protection:GOGGLES

Other Protective Equipment:LARGE FACE SHIELD

Supplemental Safety and Health

THIS PRODUCT IS ALSO KNOWN AS AQUA AMMONIA

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

HCC:B1

Boiling Pt:=100.C, 212.F

Vapor Pres:584

Vapor Density:0

Evaporation Rate & Reference:LTI REF:ETHER

Solubility in Water:COMPLETE

Appearance and Odor:COLORLESS LIQUID,PUNGEN

T ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

INORGANIC ACIDS

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

Waste Disposal Methods:PUT INTO LARGE VESSEL CONTAINING WATER.NEUTRALIZE WITH HCL.DISCHARGE INTO APPROVED DISPOSAL AREA.

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