

E.I.DUPONT DE NEMOURS & COMPANY,INC. -- AMMONIUM HYDROXIDE-REAGENT GRADE --
6810-01-018-6726

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

Product ID:AMMONIUM HYDROXIDE-REAGENT GRADE

MSDS Date:01/01/1985

FSC:6810

NIIN:01-018-6726

MSDS Number: BGDVZ

==== Responsible Party ====

Company Name:E.I.DUPONT DE NEMOURS & COMPANY,INC.

Address:1007 MARKET STREET

Box:1635

City:WILMINGTON

State:DE

ZIP:19899

Country:US

Info

Phone Num:800-441-7515

Emergency Phone Num:800-441-7515

CAGE:DO229

==== Contractor Identification ====

Company Name:E.I. DUPONT DE NEMOURS & CO

Address:1007 MARKET STREET

Box:City:WILMINGTON

State:DE

ZIP:19898

Country:US

Phone:800-441-7515;800-441-9442

CAGE:18873

Company Name:E.I.DUPONT DE NEMOURS & CO INC

Address:549 ALBANY STREET

Box:1635

City:BOSTON

State:MA

ZIP:02118

Phone:800-441-7515

CAGE:DO229

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

Ingred Name:AMMONIUM HYDRO

XIDE (SARA III)
CAS:1336-21-6
RTECS #:BQ9625000
Fraction by Wt: 59.3%
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

Effects of Overexposure:CAUSES SEV EYE/SKIN BURNS.MAY CAUSE PERMANET INJURY TO EYE;VAPOR IS EXTREMELY IRRITATING.

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

First Aid:GET MED ATTN,ANY CASE.

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

Flash Point:NONE

Lower L

imits:16.0

Upper Limits:25.0

Extinguishing Media:WATER,FOAM,DRY POWDER,CARBON DIOXIDE(CO*2)

Fire Fighting Procedures:USE H*20 TO COOL EXPD CONTRS. USE SCBA & FULL PROT.CLTHG.

Unusual Fire/Explosion Hazard:GIBES FLAMMABLE NH*3 AT ALL TEMP WHICH CAN BE EXPLOSIVE UNDER SOME CONDITIONS;KEEP PERSONS UPWIND.

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

Spill Release Procedures:ELIMINATE IGN SOURCES.USE PROTECTV EQUIP.KEEP UPWIND OF LEAK;EVACUATE AREA IF THERE IS PO

TENTIAL FOR EXCEEDING

EXPOSURE LIMITS.FLUSH AREA WITH WATER SPRAY.AFTER DILUTION,WATER MAY BE NEUTRALIZE WITH D ILUTE HCL.

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

Handling and Storage Precautions:STOREIN WELL VENTILATED AREA.KEEP CONTAINERS TIGHTLY CLOSED.KEEP AWAY FROM HEAT,SPARKS,FLAME.WASH THOROUGHLY AFTER HANDLING.STORE AWAY FM HALOGEN ACID

Other Precautions:LOOSEN CLOSURES CAUTIOUSLY BEFORE OPENING.DO NOT GET IN EYES,ON SKIN,OR CLOTHING.DO NO

T BREATH VAORS.BEFORE USING,READ
DUPONT REAGENT DATA SHEET.

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

Respiratory Protection:OSHA APPRVD CHEM CARTRIDGE RESP
W/NH*3CARTRIDGE,SUPPLD AIR OR SCBA.
Ventilation:USE ONLY W/VENTILATION ADEQUATE TO MAINTAIN EXPOSURE LIMITS
Protective Gloves:RUBBER/PLASTIC
Eye Protection:CHEM SPLASH GOGGLES
Other Protective Equipment:WEAR APRON & SHOES;LONG SLEEVE SHIRT,WOOL OR
ORLON TROUSERS
Supplemental Safety and Health
INCOMPATA
BILITY:AVOID HALOGENS,GOLD,MERCURY,SILVER,THEIR
SALTS,DIMETHYLSULFATE;FIRS AID:IF SWALLOWD,GIVE LARGE AMT OF WATE
BUT DO NOT INDUCE VOMITG.GIVE AT LEAST 1 OZ OF VINEGE W/1 OZ OF
H*20.

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

HCC:B1
Boiling Pt:=28.C, 82.4F
B.P. Text:82.4F(28C)
Vapor Pres:646
Vapor Density:0.6
Spec Gravity:0.9000
Evaporation Rate & Reference:>1(BU-ACETATE=1)
Solubility in Water:COMPLETE
Appearance and Odor:CLORLESS CLEAR LIQUID,VERY PU
NGENT ODOR(CHOKING).
Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZERS,HALOGENS,CAL HYPO BLEACHES, :SEE SUPP DATA
Stability Condition to Avoid:INSTABLE W/HEAT.RELEASES NH*3 GAS;ALSO
AVOID HALOGNTD ACIDS.
Hazardous Decomposition Products:MAY RELEASE WH*32 &/OR OXIDES OF N.

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

Waste Disposal Methods:MFR SPECIFIES IF A

APPROVED DILUTE SOLUTIONS MAY
BE FLUSHED TO WASTEWATER TREATMENT SYSTEM.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.