

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

Inf

o 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 HYDR

OXIDE (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

Limits: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 P

OTENTIAL 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 N

OT 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
INCOMPAT

ABILITY: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*2O.

===== 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 P
UNGENT 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

APPROVED DILUTE SOLUTIONS MAY
BE FLUSHED TO WASTEWATER TREATMENT SYSTEM.

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