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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

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: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

Other Precautions: LOOSEN CLOSURES CAUTIOUSLY BEFORE OPENING. DO NOT GET

THOROUGHLY AFTER HANDLING.STORE AWAY FM HALOGN ACID

IN EYES, ON SKIN, OR CLOTHING. DO NO

XIDE (SARA III) CAS:1336-21-6

RTECS #:BQ9625000 Fraction by Wt: 59.3%

## 

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

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

HCC:B1

H\*20.

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 & Description 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

## PPROVED DILUTE SOLUTIONS MAY BE FLUSHED TO WASTEWATER TREATMENT SYSTEM.

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