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ASHLAND CHEMICAL INC -- AMMONIUM HYDROXIDE REAG ACS 4X8# CS -- 6810-00-753-4784

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

Product ID:AMMONIUM HYDROXIDE REAG ACS 4X8# CS

MSDS Date:06/01/1990

FSC:6810

NIIN:00-753-4784

MSDS Number: BPFDN === Responsible Party ===

Company Name: ASHLAND CHEMICAL INC

Box:2219

City:COLUMBUS

State:OH ZIP:43216 Country:US

Info Phone Num:614-790-3333, 614-889-3844

Emergency Phone N um:800-274-5263

CAGE:5A188

=== Contractor Identification ===

Company Name: ASHLAND CHEMICAL CO

Address:5200 PAUL BLAZEL MEMORIAL PARKWAY

Box:City:DUBLIN

State:OH ZIP:43017 Country:US

Phone:614-889-4505

**CAGE:5A188** 

Company Name: ASHLAND CHEMICAL, ELECTRONIC AND LAB PRODUCTS DIV

Address:RD 4

Box:350

City: EASTON

State:PA ZIP:18044 Country:US

Phone:215-258-9135

CAGE:86143

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

Ingred Name: AMMONIUM HYDROXIDE (SARA III)

CAS:1336-21-6

**RTECS** 

#:BQ9625000 Fraction by Wt: 72%

Other REC Limits:35 PPM NH3 STEL

EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000 Fraction by Wt: 28%

Other REC Limits: NONE SPECIFIED

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

LD50 LC50 Mixture:LD50:ORAL RAT 350 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES: CAN CAUSE SEVERE IRRITATION, AND

SEVERE OR PERMANENT DAMAGE. SKIN: CAN CAUSE SEVERE IRRITATION, BLISTERS, AND BURNS. INHALATION: MAY CAUSE IRRITATION OF RESPIRATORY TRACT WITH SEVERE EXPOSURES R ESULTING IN PULMONARY EDEMA. INGESTION:CAN CAUSE IRRITATION AND BURNS TO STOMACH, MOUTH, THROAT, ETC.

Effects of Overexposure:EYES: IRRITATION, REDNESS, TEARING, BLURRED VISION, PERMANENT DAMAGE. SKIN: IRRITATION BLISTERS, BURNS. INHALATION: LUNG IRRITATION, COUGHING, DIFFICULTY BREATHING, SHORTNESS

OF BREATH, PULMONARY EDEM A. INGESTION: IRRITATION AND BURNS TO MOUTH, THROAT, STOMACH, NAUSEA, VOMITING, DIARRHEA. Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING DISEASES INVOLVING THE EYES, SKIN OR RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

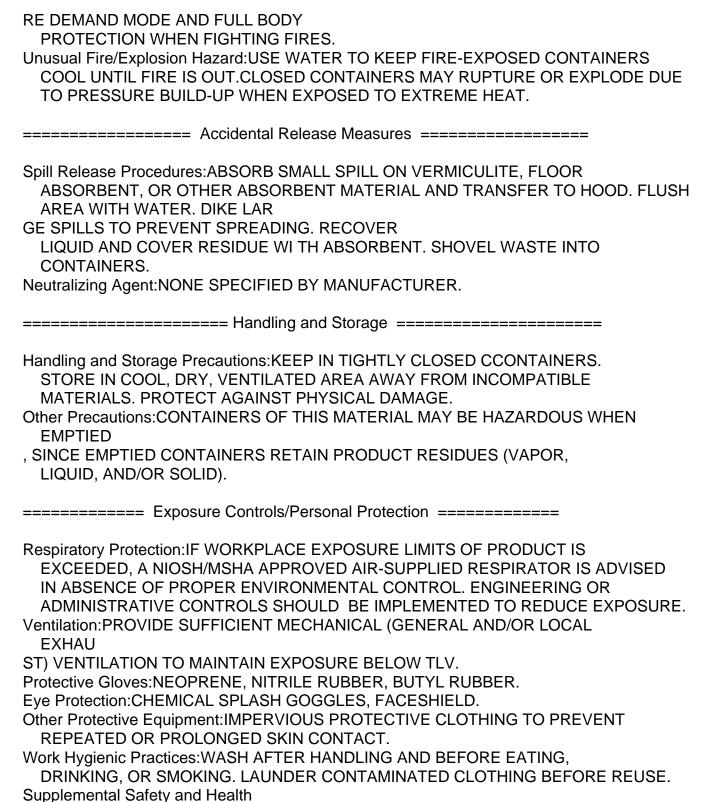
First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. FLUSH AREA WITH LARGE AMOU

NTS OF WATER. GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING GIVE CPR. IF BREATHING DIFFICULT GIVE OXYGEN. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. DILUTE BY GIVING WATER. GIVE MILK OF MAGNESIA.KEEP WARM, QUIET. GET MEDICAL ATTENTION.

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

Extinguishing Media:WATER FOG.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA WITH FULL FACEPIECE OPERATED IN POSITIVE PRESSU



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

HCC:B1

Boiling Pt:B.P. Text:82.0F,27.8C

Vapor Pres:570 @ 20C Vapor Density:0.6(AIR=1)

Spec Gravity:0.899

Evaporation Rate & Evaporation R

Solubility in Water: INFINITE

Appearance and Odor:CLEAR, COLORLESS SOLUTION, AMMONIA ODOR.

Percent Volatiles by Volume:100%

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, HYPOCHLORITES, STRONG ALKALIES, BRASS, SILVER, COPPER, ALKALI METALS, IRON, METALLIC ME

RCURY.

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: EMITS TOXIC FUMES OF AMMONIA AND NITRIC OXIDES WHEN HEATED TO DECOMPOSITION.

Conditions to Avoid Polymerization: CANNOT OCCUR.

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

Waste Disposal Methods:DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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