

FISHER SCIENTIFIC CO CHEMICAL DIV. -- AMMONIUM HYDROXIDE -- 6810-00-222-9643

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Product Identification
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Product ID:AMMONIUM HYDROXIDE

MSDS Date:06/13/1985

FSC:6810

NIIN:00-222-9643

MSDS Number: BQDHS

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:2

01-796-7100 OR 201-796-7523

Preparer's Name:GASTON L. PILLORI

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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Composition/Information on Ingredients
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Ingred Name:AMMONIUM HYDROXIDE (SARA III)

CAS:1336-21-6

RTECS #:BQ9625000

Fraction by Wt: 100%

OSHA PEL:50 PPM

ACGIH TLV:25 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:10

00 LBS

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 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:INHALATION MAY CAUSE IRRITATION OF THE NOSE & RESPIRATORY TRACT. SKIN CONTACT MAY CAUSE SEVERE BURNING & CORROSIVE DAMAGE. EYE CONTACT MAY CAUSE BURNS, TEMPORARY BLINDNESS & ULCERATION. INGESTION MAY CAUSE GASTRIC IRRITATION &

PERFORATION.PROLONGED AND REPEATED EXPOSURE MAY CAUSE BRONCHITIS, PNEUMONIA, AND DERMATITIS.

Explanation of Carcinogenicity:THIS PRODUCT IS NOT LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN, MUTAGEN, TERATOGEN OR NEUROTOXIN.

Effects of Overexposure:OVEREXPOSURE MAY CAUSE IRRITATION, BURNS, ULCERATION, DYSPNEA, PULMONARY EDEMA, SHOCK, CONVULSIONS, CYANOSIS, RAPID & WEAK PULSE, AND CENTRAL NERVOUS SYSTEM DEPRESSION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYE: FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR 15 MINUTES WHILE LIFTING EYELIDS. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP AND WATER. GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS. GET MEDICAL ATTENTION.

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

Flash Point:NONFLAMMABLE

Autoignition Temp:Autoignition Temp Text:NONE

Lower Limits:16

Upper Limits:27

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR FOAM.

Fire Fighting Procedures:MOVE CONTAINERS FROM FIRE AREA IF POSSIBLE.

COOL CONTAINERS EXPOSED TO FLAMES WITH WATER FROM SIDE UNTIL WELL AFTER FIRE IS OUT.

Unusual Fire/Explosion Hazard:USE WATER SPRAY TO ABSORB CORROSIVE VAPORS.

AVOID BREATHING CORROSIVE VAPORS; KEEP UPWIND.

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

Spill Release Procedures:DIKE TO RETAIN SPILL. DO NOT TOUCH SPILLED MATERIAL. STOP LEAK IF YOU CAN DO IT WITHOUT RISK. ABSORB LIQUID WITH INERT MATERIAL AND PLACE INTO DISPOSAL CONTAINERS. EVACUATE AND VENTILATE AREA. CONTROL VAPORS WITH WATER SPRAY.

Neutralizing Agent:DILUTE ACID, FLY ASH, CEMENT POWDER

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

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Handling and Storage Precautions:POISON. CAUSES BURNS. HARMFUL IF INHALED. MAY BE FATAL IF SWALLOWED. EXCEPTIONAL HEALTH AND CONTACT HAZARDS: READ MATERIAL SAFETY DATA SHEET.

Other Precautions:NONE

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

Respiratory Protection:NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS.

Ventilation:PROVIDE A LOCAL EXHAUST VENTILATION SYSTEM

Protective Gloves:RUBBER

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:RUBBER APRON, EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health
NONE

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

HCC:B1

Boiling Pt:B.P. Text:DECOMPOSES

Melt/Freeze Pt:M.P/F.P Text:-107F,-77C

Vapor Pres:420-475

Vapor Density:1.2

Spec Gravity:0.90

pH:14

Evaporation Rate & Refer

ence:>1 (ETHER)

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR COLORLESS LIQUID WITH STRONG AMMONIA ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

IODINE, STRONG ACID, SILVER COUMPOUNDS, MERCURY COUMPOUNDS, DIMETHYL SULFATE

Stability Condition to Avoid:FLAMMABLE, POISONOUS GASES MAY ACCUMULATE IN TANKS AND HOPPER CARS. MAY IGNITE COMBUSTIBLES (WOOD, PAPER, OIL, ETC.)

Hazard

ous Decomposition Products:EMITS TOXIC FUMES OF AMMONIA.

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

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

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