



Fisher Scientific Company

Chemical Manufacturing Division
P. O. Box 375, 1 Reagent Lane
Fair Lawn, NJ 07410

MATERIAL SAFETY DATA SHEET (Adapted from USDL Form LSD-005-4)

(201) 796-7100

SECTION I. IDENTIFICATION OF PRODUCT

CHEMICAL NAME

Ammonium Hydroxide

FORMULA

NH_4OH

SYNONYM OR CROSS REFERENCE

Aqua Ammonia

SECTION II. HAZARDOUS INGREDIENTS

MATERIAL

Ammonium Hydroxide

NATURE OF HAZARD

Corrosive

SECTION III. PHYSICAL DATA

BOILING POINT

decomposes

MELTING POINT

-69.2°C

VAPOR PRESSURE(mm Hg)

570

SPECIFIC GRAVITY

0.90

AIR DENSITY (AIR = 1)

1.2

PERCENT VOLATILE BY VOLUME (%) 100

WATER SOLUBILITY

Complete

EVAPORATION RATE

(ether = 1) greater than 1

APPEARANCE

Clear colorless liquid with a pungent odor

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used)

(°F)

NA

FLAMMABLE LIMITS

NA

Uel

Lel

FIRE EXTINGUISHING MEDIA

NA

SPECIAL FIRE-FIGHTING PROCEDURES

Wear self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD

Emits toxic fumes of ammonium

SECTION V. HEALTH HAZARD

THRESHOLD LIMIT VALUE

25 ppm

HEALTH HAZARDS

Vapor irritating to skin, eyes and mucous membrane

FIRST AID PROCEDURES Ingestion: do not induce vomiting. Give water, diluted vinegar or orange juice. Contact a physician. Inhalation: remove to fresh air. Give artificial respiration if necessary. Skin & eyes: Flush with water for at least 15 minutes. Contact a physician.

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