## MATERIAL SAFETY DATA SHEET For R&D use only. Not for drug, household or other uses.

Composition/Information on Ingredient 1336-21-6 Code:

RTECS: BQ9625000 Code:

Name:

NΡ

**OSHA PEL:** 

**OSHA STEL:** 

**ACGIH TLV:** 

**ACGIHSTEL:** 

NOT ESTABLISHED

**Control Measures** 

GENERAL PURPOSE GAS MASK

VENTILATION AS NEEDED.KEEP AMMONIA CONCENTRATION LESS 50 PPM

THE PRODUCT IS MANUFACTURED BY FEDERAL SPECIFICATION O-A-451 TYPE I

IRRITATION OF EYES AND THROAT.HEADACHE, SALIVATION, NAUSEA, VOMITING, PULMONARY EDEMA, DIFFICULT BREATH. 2

FLUSH CONTACTED AREA WITH WATER FOR AT LEAST 15 MINUTES. CONSULT PHYSICIAN. IRRIGATE EYES WITH WATER, THEN INSTILL OLIVE OIL.WASH CNTAMINATED AREAS OF BODY WITH SOAP AND WATER.SUPPLY OXYGEN WITH USE OF I NTERMITTENT POSITIVE

NEUTRALIZE WITH HCL. WIPE WITH MOP OR USE WATER ASPIRATOR.AVOID PHYSICAL CONTACT AND INHALATION OF VAPORS.DILUTE

PUT INTO LARGE APPROVED STORAGE VESSEL FOR CORROSIVES, CONTAINING WATER. NEUTRALIZE WITH HCL. DISCHARGE INTO

BOTTLES WITH GLASS, PLASTIC OR RUBBER PLUG MUST NOT BE FILLED COMPLETELY TO THE BRIM AND MUST BE STORED IN COOL

**Respiratory Protection:** 

**Protective Gloves:** 

**Eye Protection: GOGGLES** 

Other Protective Equipment: Equipment LARGE FACE SHIELD

**Supplemental Safety and Health:** 

Health Hazards Data

Route Of Entry Inds - Inhalation:

Carcinogenicity Inds - NTP:

**Health Hazards Acute And Chronic:** 

Signs And Symptions Of Overexposure:

Medical Cond Aggravated By Exposure:

WITH LARGE QUANTITIES OF WATER.DRAIN INTO APPROVED DISPOSAL AREA.

Fire and Explosion Hazard Information

AMMONIA VAPORS RELEASED FROM SOLUTION CAN FORM AN EXPLOSIVE MIXTURE WITH AIR

PRESSURE BREATHINGAPPARATUS

**Spill Release Procedures:** 

**Waste Disposal Methods:** 

APPROVED DISPOSAL AREA

**Handling And Storage Precautions:** 

KEEP AWAY FROM STRONG ACIDS

**Neutralizing Agent:** 

**Other Precautions:** 

Flash Point Method:

Flash Point:

NONE

**Flash Point Text:** 

**Autoignition Temp:** 

**Lower Limits:** 

**Upper Limits:** 

**Extinguishing Media:** 3 NONE.NON COMBUSTIBLE

NRC/State LIC No:

**Boiling Point:** 

Melt/Freeze Pt:

M.P/F.P Text:

**Decomp Temp:** 

**Decomp Text:** 

**Vapor Pres:** 584

Vapor Density:

**Spec Gravity:** 0.8974

PH: N/P

Viscosity:

COMPLETE

**VOC Pounds/Gallon:** 

**VOC Grams/Liter:** 

LT 1.0 REF:ETHER

**Corrosion Rate:** 

**Stability Indicator:** 

**Materials To Avoid:** STRONG ACID

Information:N/P

Information:N/P

NONE

Solubility in Water:

**Appearance and Odor:** 

**Evaporation Rate & Reference:** 

COLORLESS LIQUID, PUNGENT ODOR.

**Percent Volatiles by Volume:** 

Reactivity Data

**Stability Condition To Avoid:** 

**Hazardous Decomposition Products:** 

**Hazardous Polymerization Indicator:** 

**Conditions To Avoid Polymerization:** 

**Toxicological Information** 

Regulatory Information

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

Look for Chemicals

www.lookchem.com

Other Information:N/P

**MSDS Transport Information** 

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is

guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from

handling or from contact with the above product. See reverse side of invoice or packing slip for additional

applicable to the product with regard to appropriate safety precautions. It does not represent any

WARRANTY

terms and conditions of sale.

Volatile Org Content %:

N/A

**B.P. Text:** 212 F

**Net Prop WT For Ammo:** 

Fire Fighting Procedures:

**Unusual Fire/Explosion Hazard:** 

Physical/Chemical Properties

25.0

B1

**Autoignition Temp Text:** 

**Explanation Of Carcinogenicity:** 

**Work Hygienic Practices:** 

LD50LC50Mixture:

**RUBBER** 

NΡ

N/P

Skin: N/P

N/P

IARC: N/P

OSHA: N/P

N/P

N/P

N/P

PLACE.

First Aid:

Ingestion:

Code:

Code:

Code: Μ

NΡ Code:

Other REC Limits:

NOT ESTABLISHED

AMMONIUM HYDROXIDE (SARA III)

Click <a href="http://www.lookchem.com/cas-133/1336-21-6.html">http://www.lookchem.com/cas-133/1336-21-6.html</a> for suppliers of this product.