

Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date : 11.05.2014

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Ammonium Hydroxide, 3M

SECTION 1: Identification of the substance/mixture and of the supplier

Product name: Ammonium Hydroxide, 3M

Manufacturer/Supplier Trade name:

Manufacturer/Supplier Article number: S25844

Recommended uses of the product and restrictions on use:

Manufacturer Details:

AquaPhoenix Scientific, Inc
9 Barnhart Drive, Hanover, PA 17331
(717) 632-1291

Supplier Details:

Fisher Science Education
6771 Silver Crest Road, Nazareth, PA 18064
(724)517-1954

Emergency telephone number:

Fisher Science Education
Emergency Telephone No.: 800-535-5053

SECTION 2: Hazards identification

Classification of the substance or mixture:



Environmentally Damaging

Acute hazards to the aquatic environment, category 1



Corrosive

Serious eye damage, category 1

Acute toxicity (oral, dermal, inhalation), category 1

Eye Damage. 1.

Aquatic AcTox. 1.

AcTox Oral. 4.

Skin Corr. 1.

Signal word: Danger

Hazard statements:

Causes severe skin burns and eye damage.

Harmful if swallowed.

Very toxic to aquatic life.

Precautionary statements:

Wash ... thoroughly after handling.

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

Do not eat, drink or smoke when using this product.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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Immediately call a POISON CENTER or doctor/physician.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing.

Wash contaminated clothing before reuse.

Collect spillage.

Store locked up.

Dispose of contents and container as instructed in Section 13.

Other Non-GHS Classification: None

SECTION 3: Composition/information on ingredients

Ingredients:		
CAS 1336-21-6	Ammonium Hydroxide, ACS	20 %
CAS 7732-18-5	DI Water	80 %
Percentages are by weight		

SECTION 4: First aid measures

Description of first aid measures

After inhalation:

Get medical assistance.

After skin contact:

Get medical assistance.

After eye contact:

Continue rinsing eyes during transport to hospital.

After swallowing:

Get medical assistance.

Most important symptoms and effects, both acute and delayed: None

Indication of any immediate medical attention and special treatment needed: None

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing agents: None

Unsuitable extinguishing agents: None

Special hazards arising from the substance or mixture: None

Advice for firefighters:

Protective equipment: None

Additional information (precautions): None

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures: None

Environmental precautions: None

Methods and material for containment and cleaning up:

Soak up with inert absorbent material.

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Reference to other sections: None

SECTION 7: Handling and storage

Precautions for safe handling: None

Conditions for safe storage, including any incompatibilities:

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

SECTION 8: Exposure controls/personal protection

Control Parameters: 1336-21-6, Ammonium Hydroxide, TWA 25.000000 ppm USA. ACGIH.
1336-21-6, Ammonium Hydroxide, TWA 25.000000 ppm 18.000000 mg/m3 USA. NIOSH.

Appropriate Engineering controls: None

Respiratory protection: None

Protection of skin: None

Eye protection: None

General hygienic measures: None

SECTION 9: Physical and chemical properties

Appearance (physical state, color):	Clear colorless liquid	Explosion limit lower:	Not Determined
		Explosion limit upper:	Not Determined
Odor:	Odorless	Vapor pressure at 20°C:	115 at 20 C
Odor threshold:	Not Determined	Vapor density:	3.38
pH-value:	Alkaline	Relative density:	0.9 g/mL at 25 °C
Melting/Freezing point:	- 72 C	Solubilities:	Material is water soluble.
Boiling point/Boiling range:	36 C	Partition coefficient (n-octanol/water):	Not Determined
Flash point (closed cup):	Not Determined	Auto/Self-ignition temperature:	Not Determined
Evaporation rate:	Not Determined	Decomposition temperature:	Not Determined
Flammability (solid, gaseous):	Not Determined	Viscosity:	a. Kinematic: Not Determined b. Dynamic: Not Determined
Density at 20°C:	Not Determined		

SECTION 10: Stability and reactivity

Reactivity: None

Chemical stability: None

Possible hazardous reactions: None

Conditions to avoid: None

Incompatible materials:

Copper, Iron, Zinc.

Hazardous decomposition products:

Nitrogen oxides.

SECTION 11: Toxicological information

Acute Toxicity: No additional information.

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Chronic Toxicity: No additional information.
Skin corrosion/irritation: No additional information.
Serious eye damage/irritation: No additional information.
Respiratory or skin sensitization: No additional information.
Carcinogenicity: See section 15.
Germ cell mutagenicity: No additional information.
Reproductive Toxicity: No additional information.
STOT-single and repeated exposure: No additional information.
Additional toxicological information: No additional information.

SECTION 12: Ecological information

Ecotoxicity: No additional information.
Persistence and degradability: No additional information.
Bioaccumulative potential: No additional information.
Mobility in soil: No additional information.
Other adverse effects: No additional information.

SECTION 13: Disposal considerations

Waste disposal recommendations:

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

SECTION 14: Transport information

US DOT

UN Number:

ADR, ADN, DOT, IMDG, IATA

2672

Limited Quantity Exception:

None

Bulk:

RQ (if applicable): None

Proper shipping Name: Ammonia solution.

Hazard Class: 8

Packing Group: III.

Marine Pollutant (if applicable): No additional information.

Comments: None

Non Bulk:

RQ (if applicable): None

Proper shipping Name: Ammonia solution.

Hazard Class: 8

Packing Group: III.

Marine Pollutant (if applicable): No additional information.

Comments: None



SECTION 15: Regulatory information

United States (USA)

SARA Section 311/312 (Specific toxic chemical listings):

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Acute

SARA Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

RCRA (hazardous waste code):

None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

All ingredients are listed.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):

1336-21-6 Ammonium hydroxide 1000 lbs.

Proposition 65 (California):

Chemicals known to cause cancer:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

Canada

Canadian Domestic Substances List (DSL):

All ingredients are listed.

SECTION 16: Other information

NFPA: 2-0-0

HMIS: 2-0-0

GHS Full Text Phrases: None

Abbreviations and Acronyms: None

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