

Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Initial preparation date: : 11.05.2014**Ammonium Hydroxide 3M****SECTION 1: Identification of the substance/mixture and of the supplier****Product name:** Ammonium Hydroxide 3M**Manufacturer/Supplier Article number:** S25844**Recommended uses of the product and restrictions on use:****Manufacturer Details:**

AquaPhoenix Scientific
860 Gitts Run Road,
Hanover, PA 17331
(717) 632-1291

Supplier Details:

Fisher Science Education
6771 Silver Crest Road, Nazareth, PA 18064
800 955-1177

Emergency telephone number:

Emergency Telephone No.: 800-255-3924

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.

Immediately call a POISON CENTER or doctor/physician.

Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Initial preparation date: : 11.05.2014**Ammonium Hydroxide 3M**

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:**

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

SECTION 4: First aid measures**Description of first aid measures****After inhalation:**

Seek medical attention immediately.

After skin contact:

Seek medical attention immediately.

After eye contact:

Continue rinsing eyes during transport to hospital.

After swallowing:

Seek medical attention immediately.

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.

Safety Data Sheet

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Ammonium Hydroxide 3M

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: Explosion limit upper:	Not determined 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: None

Safety Data Sheet

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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)**

Safety Data Sheet

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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

This product has been classified in accordance within GHS guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 2-0-0**HMIS:** 2-0-0**GHS Full Text Phrases:** None**Abbreviations and Acronyms:** None