

## Austin's Clear Ammonia

SDS Number: 18

Revision Date: 11/25/2014

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### PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

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**Product Name:** Austin's Clear Ammonia  
**Revision Date:** 11/25/2014  
**Version:** 1  
**SDS Number:** 18  
**Common Name:** Ammonium Hydroxide  
**CAS Number:** 1336-21-6  
**Product Code:** 54200-00050, 54200-00051, 54200-00052  
**RCRA Number:** N/A  
**Synonyms:** Ammonia, Aqua Ammonia, Aqueous Ammonia, Ammonia Water  
**Internal ID:** 90000500, 90000510, 90000521

**Emergency phone number: CHEMTREC**  
**US:** 1-800-424-9300 **Canada:** 1-800-567-7455

**Poison Control Center:** 1-800-222-1222

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### HAZARDS IDENTIFICATION

GHS Signal Word:  
WARNING

GHS Hazard Pictograms:



GHS Classifications:  
Health, Skin corrosion/irritation, 3  
Health, Serious Eye Damage/Eye Irritation, 2 B  
Health, Specific target organ toxicity - Single exposure, 3  
Environmental, Hazards to the aquatic environment - Acute, 3

GHS Phrases:  
H316 - Causes mild skin irritation  
H320 - Causes eye irritation  
H335 - May cause respiratory irritation  
H402 - Harmful to aquatic life



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GHS Precautionary Statements:

- P264 - Wash exposed skin thoroughly after handling.
- P270 - Do not eat, drink or smoke when using this product.
- P281 - Use personal protective equipment as required.
- P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P311 - Call a POISON CENTER or doctor/physician.
- P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing. Seek immediate medical attention.

- P309+311 - IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician.
- P341 - If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P370+378 - In case of fire: Use dry chemical, carbon dioxide, foam, or water spray for extinction.
- P401 - Store upright in a cool, dry place.
- P501 - Dispose of contents/container in accordance with all applicable federal, state, and local regulations.
- P410+412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

**Ingredients:**

Cas #	Percentage	Chemical Name
1336-21-6	0.50-2.50%	Ammonium hydroxide
7732-18-5	97.50-99.50%	Water

**4 FIRST AID MEASURES**

- Inhalation:** Mild inhalation of ammonia vapors may cause irritation of the nose and throat. Coughing and sneezing may present. Exposure to more excessive ammonia vapors may cause respiratory irritation, olfactory fatigue, labored breathing, and possible pulmonary edema. For more severe exposure, seek medical attention.
- Skin Contact:** Remove contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. If irritation develops, seek medical attention. Wash clothes before reuse.
- Eye Contact:** Rinse immediately with plenty of cool water. Keep eye(s) wide open while rinsing. Remove contact lenses if present. Avoid rubbing the affected area. Speed is essential to minimize injury. Seek immediate medical attention.
- Ingestion:** Do NOT induce vomiting. Rinse mouth thoroughly with water. If able, have person sip a glassful of water. Follow with a citrus juice if available. Call a physician or poison control center.



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**5 FIRE FIGHTING MEASURES**

**Flammability:** Liquid state not flammable  
**Flash Point:** No information available  
**Flash Point Method:** Not applicable  
**Burning Rate:** No information available  
**Autoignition Temp:** No information available

In the event of a fire, wear full protective clothing and MSHA/NIOSH self-contained breathing apparatus with a full facepiece operated in the pressure-demand or other positive pressure mode.

Ammonia gas will be liberated at all temperatures, which can be explosive under confined space conditions. Contact between this product and concentrated mineral acids will cause instant boiling and possible explosion.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment; Water spray may be used to keep fire exposed containers cool. Water spray or fog should be used to remove generated ammonia gas from the atmosphere. Fire extinguishing agents include dry chemical, carbon dioxide, foam, or water spray.

**6 ACCIDENTAL RELEASE MEASURES**

Use personal protective equipment as required/recommended. Evacuate public to a safe area. Stay upwind of spill. Avoid contact with skin, eyes, and clothing.

Prevent spills from entering sewers or waterways. Contain run-off using diking composed of a suitable material. Soak up liquid on inert absorbant and transfer to an approved container. Clean contaminated surface thoroughly.

**7 HANDLING AND STORAGE**

**Handling Precautions:** Use personal protective equipment as required/recommended. Use only with adequate ventilation. Avoid contact with skin, eyes, and clothing. Use suitable respiratory equipment in case of inadequate ventilation.  
Handle empty containers as if they were full due to presence of residual ammonia vapors.  
Do not mix with other household chemicals.

**Storage Requirements:** Store using properly labeled containers in a cool, dry, well ventilated area. Keep out of reach of children. Separate from incompatible materials and excessive heat.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls:** Use adequate ventilation, especially in confined spaces. Provide local exhaust ventilation system to meet established exposure limits where ammonia vapors are likely to approach or exceed exposure limits.

**Personal Protective Equip:** Chemical splash goggles; Face shield; Neoprene gloves; NIOSH approved respirator; Apron;



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**9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear, colorless	<b>Odor:</b>	Pungent, ammonia
<b>Physical State:</b>	Liquid	<b>Solubility:</b>	Completely soluble
<b>Spec Grav./Density:</b>	0.994 - 0.996	<b>Freezing/Melting Pt.:</b>	32 F (approx.)
<b>Boiling Point:</b>	212 F (approx.)	<b>UFL/LFL:</b>	25% / 16%
<b>pH:</b>	10.50 - 12.00		

**10 STABILITY AND REACTIVITY**

<b>Stability:</b>	The product is stable and non-reactive under normal conditions of use, pressure, storage and transport.
<b>Conditions to Avoid:</b>	Contact with incompatible materials.
<b>Materials to Avoid:</b>	Chlorine, hypochlorite, acids, alkalies, oxidizing materials, copper, aluminum, zinc, galvanized metals.
<b>Hazardous Decomposition:</b>	Ammonia gas and oxides of nitrogen.
<b>Hazardous Polymerization:</b>	Will not occur.

**11 TOXICOLOGICAL INFORMATION**

**Acute Toxicity:**

**Oral (LD 50):** No information available.

**Inhalation (LC 50):** No information available.

**Skin Irritation:** Repeated, prolonged or occluded contact may cause various severities of skin irritation.

**Eye Irritation:** May cause eye irritation with severe pain, closure of eyelids, and possible corneal injury.

**Sensitization:** Ammonia vapors may cause upper respiratory irritation resulting in coughing and sneezing, olfactory fatigue, labored breathing, and pulmonary edema.

**Chronic Toxicity:** None known.

**12 ECOLOGICAL INFORMATION**

Considered biodegradable

BOD/COD Value is not established

Ecotoxicity: This product is acutely toxic to aquatic life.



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**13 DISPOSAL CONSIDERATIONS**

Disposal should be in accordance with applicable regional, national, and local laws and regulations.  
Small amounts of unused product may be flushed safely to sanitary sewer with plenty of water. Contact the local water board before flushing large amounts.  
If solidified, large amounts may be disposed of in a sanitary landfill.  
Contact state or local authorities for additional restrictions.

**14 TRANSPORT INFORMATION**

DOT: Not regulated. Classified as non-hazardous.

**15 REGULATORY INFORMATION**

\*Ammonium hydroxide (1336216 0.50-2.50%) CERCLA, CSWHS, MASS, NJEHS, PA, TSCA

\*Water (7732185 97.50-98.00%) TSCA

REGULATORY KEY DESCRIPTIONS

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TSCA = Toxic Substances Control Act

MASS = MA Massachusetts Hazardous Substances List  
NJHS = NJ Right-to-Know Hazardous Substances  
NRC = Nationally Recognized Carcinogens  
OSHAWAC = OSHA workplace Air Contaminants  
PA = PA Right-To-Know List of Hazardous Substances  
SARA313 = SARA 313 Title III Toxic Chemicals  
TXAIR = TX Air Contaminants with Health Effects Screening Level

HAP = Hazardous Air Pollutants

CERCLA = Superfund clean up substance  
CSWHS = Clean water Act Hazardous substances  
NJEHS = NJ Extraordinarily Hazardous Substances



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**OTHER INFORMATION**

**Author:** James Austin Company

**Publication Date:** 11/25/2014

**Revision Note:** N/A

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