



## Safety Data Sheet

Classified according to WHMIS 2015

### SECTION 1: Identification

#### 1.1. Product Identifier

**Trade Name or Designation:** Sodium Standard, 10 ppm Na (with Ionic Strength Adjustor)

**Product Number:** 7631

**Other Identifying Product Numbers:** 7631-16

#### 1.2. Recommended Use and Restrictions on Use

General Laboratory Reagent

#### 1.3. Details of the Supplier of the Safety Data Sheet

**Company:** Ricca Chemical Company

**Address:** 412 West Fork Drive

Arlington, TX 76012 USA

**Telephone:** 888-467-4222

#### 1.4. Emergency Telephone Number (24 hours)

CHEMTREC (USA) 800-424-9300

CHEMTREC (International) 1+ 703-527-3887

### SECTION 2: Hazard(s) Identification

#### 2.1. Classification of the Substance or Mixture

For the full text of the Hazard and Precautionary Statements listed below, see Section 16.

| Hazard Class                                 | Category   | Hazard Statements: | Precautionary Statements:   |
|--|------------|--------------------|---|
| Skin Corrosion / Irritation                  | Category 1 | H314               | P260, P264, P280, P301+P330+P331, P303+P361+P353, P363, P304+P340, P310, P321, P305+P351+P338, P405, P501 |
| Hazardous to the Aquatic Environment (Acute) | Category 3 | H402               | P273, P501  |

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## 2.2. GHS Label Elements

Pictograms:



Signal Word: **Danger**

Hazard Statements:

| Hazard Number | Hazard Statement                         |
|---------------|--|
| H314          | Causes severe skin burns and eye damage. |
| H402          | Harmful to aquatic life.                 |

Precautionary Statements:

| Precautionary Number | Precautionary Statement  |
|----------------------|--|
| P260                 | Do not breathe fumes, mist, vapors, or spray.  |
| P264                 | Wash arms, hands and face thoroughly after handling.   |
| P273                 | Avoid release to the environment.  |
| P280                 | Wear protective gloves and eye protection.   |
| P301+P330+P331       | IF SWALLOWED: rinse mouth. Do NOT induce vomiting.   |
| P303+P361+P353       | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.                                     |
| P304+P340            | IF INHALED: Remove person to fresh air and keep comfortable for breathing.   |
| P305+P351+P338       | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310                 | Immediately call a POISON CENTER or physician.   |
| P321                 | Specific treatment (Wash areas of contact with water).   |
| P363                 | Wash contaminated clothing before reuse.   |
| P405                 | Store locked up.   |
| P501                 | Dispose of contents in accordance with local, state, federal and international regulations.                                      |

## 2.4. Hazards not Otherwise Classified or Covered by GHS

Data not available.

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## SECTION 3: Composition / Information on Ingredients

### 3.1. Components of Substance or Mixture

| Chemical Name      | Formula            | Molecular Weight | CAS Number | Weight% |
|--------------------|--------------------|------------------|------------|---------|
| Water              | H <sub>2</sub> O   | 18.01 g/mol      | 7732-18-5  | 97.59   |
| Ammonium Chloride  | NH <sub>4</sub> Cl | 53.49 g/mol      | 12125-02-9 | 1.80    |
| Ammonium Hydroxide | NH <sub>4</sub> OH | 35.04 g/mol      | 1336-21-6  | 0.61    |
| Sodium Chloride    | NaCl               | 58.44 g/mol      | 7647-14-5  | < 0.1   |

## SECTION 4: First-Aid Measures

### 4.1. General First Aid Information

**Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Skin Contact:** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

**Ingestion:** IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

### 4.2. Most Important Symptoms and Effects, Acute and Delayed

Causes severe skin burns and eye damage.

### 4.3. Medical Attention or Special Treatment Needed

Immediately call a POISON CENTER or physician. Specific treatment (Wash areas of contact with water).

## SECTION 5: Fire-Fighting Measures

### 5.1. Extinguishing Media

Not considered to be a fire or explosion hazard.

### 5.2. Specific Hazards Arising from the Substance or Mixture

Not considered to be a fire or explosion hazard.

### 5.3. Special Protective Equipment for Firefighters

Wear protective clothing and NIOSH-approved breathing equipment appropriate for the surrounding fire.



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## **SECTION 6: Accidental Release Measures**

### **6.1. Personal Precautions, Protective Equipment and Emergency Procedures**

Wear protective gloves and eye protection.

### **6.2. Cleanup and Containment Methods and Materials**

Absorb with suitable material and dispose of in accordance with local regulations.

## **SECTION 7: Handling and Storage**

### **7.1. Precautions for Safe Handling and Storage Conditions**

Store locked up.

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## SECTION 8: Exposure Controls / Personal Protection

### 8.1 Control Parameters

| Chemical Name                  | Limit Type | Country | Exposure Limit   | Information Source   |
|--------------------------------|------------|---------|--|--|
| Ammonium Chloride (12125-02-9) | TLV-TWA    | USA     | 10 mg/m <sup>3</sup> TWA (fume)                                      | ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)      |
| Ammonium Chloride (12125-02-9) | TLV-STEL   | USA     | 20 mg/m <sup>3</sup> STEL (fume)                                     | ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL) |
| Ammonium Chloride (12125-02-9) | TLV-STEL   | USA     | "20 mg/m <sup>3</sup> STEL (fume)" As Ammonium chloride [12125-02-9] | ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL) |
| Ammonium Chloride (12125-02-9) | TLV-TWA    | USA     | "10 mg/m <sup>3</sup> TWA (fume)" As Ammonium chloride [12125-02-9]  | ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)      |
| Ammonium Chloride (12125-02-9) | TLV-TWA    | USA     | "10 mg/m <sup>3</sup> TWA (fume)" As Ammonium chloride [12125-02-9]  | ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)      |
| Ammonium Chloride (12125-02-9) | TLV-STEL   | USA     | "20 mg/m <sup>3</sup> STEL (fume)" As Ammonium chloride [12125-02-9] | ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL) |
| Ammonium Chloride (12125-02-9) | TLV-TWA    | USA     | "10 mg/m <sup>3</sup> TWA (fume)" As Ammonium chloride [12125-02-9]  | ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)      |
| Ammonium Chloride (12125-02-9) | TLV-STEL   | USA     | "20 mg/m <sup>3</sup> STEL (fume)" As Ammonium chloride [12125-02-9] | ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL) |
| Ammonium Chloride (12125-02-9) | TLV-TWA    | USA     | "10 mg/m <sup>3</sup> TWA (fume)" As Ammonium chloride [12125-02-9]  | ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)      |
| Ammonium Chloride (12125-02-9) | TLV-STEL   | USA     | "20 mg/m <sup>3</sup> STEL (fume)" As Ammonium chloride [12125-02-9] | ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL) |
| Ammonium Chloride (12125-02-9) | TLV-TWA    | USA     | "10 mg/m <sup>3</sup> TWA (fume)" As Ammonium chloride [12125-02-9]  | ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)      |
| Ammonium Chloride (12125-02-9) | TLV-STEL   | USA     | "20 mg/m <sup>3</sup> STEL (fume)" As Ammonium chloride [12125-02-9] | ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL) |

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|                                |          |     |   |  |
|--------------------------------|----------|-----|---|--|
| Ammonium Chloride (12125-02-9) | TLV-TWA  | USA | "10 mg/m <sup>3</sup> TWA (fume)" As Ammonium chloride<br>[12125-02-9]  | ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)      |
| Ammonium Chloride (12125-02-9) | TLV-STEL | USA | "20 mg/m <sup>3</sup> STEL (fume)" As Ammonium chloride<br>[12125-02-9] | ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL) |
| Ammonium Chloride (12125-02-9) | TLV-TWA  | USA | "10 mg/m <sup>3</sup> TWA (fume)" As Ammonium chloride<br>[12125-02-9]  | ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)      |
| Ammonium Chloride (12125-02-9) | TLV-STEL | USA | "20 mg/m <sup>3</sup> STEL (fume)" As Ammonium chloride<br>[12125-02-9] | ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL) |
| Ammonium Chloride (12125-02-9) | TLV-TWA  | USA | "10 mg/m <sup>3</sup> TWA (fume)" As Ammonium chloride<br>[12125-02-9]  | ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)      |
| Ammonium Chloride (12125-02-9) | TLV-STEL | USA | "20 mg/m <sup>3</sup> STEL (fume)" As Ammonium chloride<br>[12125-02-9] | ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL) |
| Ammonium Chloride (12125-02-9) | TLV-TWA  | USA | "10 mg/m <sup>3</sup> TWA (fume)" As Ammonium chloride<br>[12125-02-9]  | ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)      |
| Ammonium Chloride (12125-02-9) | TLV-STEL | USA | "20 mg/m <sup>3</sup> STEL (fume)" As Ammonium chloride<br>[12125-02-9] | ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL) |
| Ammonium Chloride (12125-02-9) | TLV-TWA  | USA | "10 mg/m <sup>3</sup> TWA (fume)" As Ammonium chloride<br>[12125-02-9]  | ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)      |
| Ammonium Chloride (12125-02-9) | TLV-STEL | USA | "20 mg/m <sup>3</sup> STEL (fume)" As Ammonium chloride<br>[12125-02-9] | ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL) |
| Ammonium Chloride (12125-02-9) | TLV-TWA  | USA | "10 mg/m <sup>3</sup> TWA (fume)" As Ammonium chloride<br>[12125-02-9]  | ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)      |
| Ammonium Chloride (12125-02-9) | TLV-STEL | USA | "20 mg/m <sup>3</sup> STEL (fume)" As Ammonium chloride<br>[12125-02-9] | ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL) |
| Ammonium Chloride (12125-02-9) | TLV-STEL | USA | "20 mg/m <sup>3</sup> STEL (fume)" As Ammonium chloride<br>[12125-02-9] | ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL) |

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|                                |          |     |  |  |
|--------------------------------|----------|-----|--|--|
| Ammonium Chloride (12125-02-9) | TLV-TWA  | USA | "10 mg/m <sup>3</sup> TWA (fume)" As Ammonium chloride<br>[12125-02-9] | ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)      |
| Ammonium Hydroxide (1336-21-6) | TLV-STEL | USA | "35 ppm STEL" As Ammonia<br>[7664-41-7]                                | ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL) |
| Ammonium Hydroxide (1336-21-6) | TWA      | USA | "50 ppm TWA; 35 mg/m <sup>3</sup> TWA" As Ammonia<br>[7664-41-7]       | U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)               |
| Ammonium Hydroxide (1336-21-6) | TLV-TWA  | USA | "25 ppm TWA" As Ammonia<br>[7664-41-7]                                 | ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)      |
| Ammonium Hydroxide (1336-21-6) | TLV-STEL | USA | 35 ppm STEL  | ACGIH - Threshold Limit Values - Short Term Exposure Limits (TLV-STEL) |
| Ammonium Hydroxide (1336-21-6) | TLV-TWA  | USA | 25 ppm TWA   | ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)      |
| Ammonium Hydroxide (1336-21-6) | TWA      | USA | 50 ppm TWA; 35 mg/m <sup>3</sup> TWA                                   | U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)               |

### 8.2. Exposure Controls

**Engineering Controls:** No specific controls are needed. Normal room ventilation is adequate.

**Respiratory Protection:** No specific controls are needed. Normal room ventilation is adequate.

**Skin Protection:** Wear protective gloves and eye protection.

**Eye Protection:** Wear protective gloves and eye protection.

### 8.3. Personal Protective Equipment

Wear protective gloves and eye protection.



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### SECTION 9: Physical and Chemical Properties

#### 9.1. Basic Physical and Chemical Properties

**Appearance:** Colorless liquid

**Physical State:** Liquid

**Odor:** Data not available.

**Odor Threshold:** Data not available.

**pH:** Data not available.

**Melting/Freezing Point:** 0.0°C

**Initial Boiling Point/Range:** 100°C - 100°C

**Flash Point:** Data not available.

**Evaporation Rate:** Data not available.

**Flammability:** Data not available.

**Flammability/Explosive Limits:** Data not available.

**Vapor Pressure:** Data not available.

**Vapor Density:** Data not available.

**Relative Density:** 1.01

**Solubility:** Miscible

**Partition Coefficient:** Data not available.

**Auto-Ignition Temperature:** Data not available.

**Decomposition Temperature:** Data not available.

**Viscosity:** Data not available.

**Explosive Properties:** Data not available.

**Oxidizing Properties:** Data not available.

### SECTION 10: Stability and Reactivity

#### 10.1. Reactivity and Chemical Stability

Stable under normal conditions of use and storage.

#### 10.2. Possibility of Hazardous Reactions

Data not available.

#### 10.3. Conditions to Avoid and Incompatible Materials

Protect from freezing and physical damage.

#### 10.4. Hazardous Decomposition Products

May emit irritating fumes when heated to decomposition.



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### SECTION 11: Toxicological Information

#### 11.1. Information on Toxicological Effects

**Acute Toxicity - Oral Exposure:**

Not applicable.

**Acute Toxicity - Dermal Exposure:**

Not applicable.

**Acute Toxicity - Inhalation Exposure:**

Not applicable.

**Acute Toxicity - Other Information:**

Data not available.

**Skin Corrosion and Irritation:**

Causes severe skin burns and eye damage. Do not breathe fumes, mist, vapors, or spray. Wash arms, hands and face thoroughly after handling. Wear protective gloves and eye protection. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. Specific treatment (Wash areas of contact with water). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

**Serious Eye Damage and Irritation:**

Not applicable.

**Respiratory Sensitization:**

Not applicable.

**Skin Sensitization:**

Not applicable.

**Germ Cell Mutagenicity:**

Not applicable.

**Carcinogenicity:**

Not applicable.

**Reproductive Toxicity:**

Not applicable.

**Specific Target Organ Toxicity from Single Exposure:**

Not applicable.

**Specific Target Organ Toxicity from Repeated Exposure:**

Not applicable.

**Aspiration Hazard:**

Not applicable.

**Additional Toxicology Information:**

Data not available.

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## SECTION 12: Ecological Information

### 12.1. Ecotoxicity

Harmful to aquatic life. Avoid release to the environment. Dispose of contents in accordance with local, state, federal and international regulations.

### 12.2. Persistence and Degradability

Data not available.

### 12.3. Bioaccumulative Potential

Data not available.

### 12.4. Mobility in Soil

Data not available.

### 12.5. Other Adverse Ecological Effects

Data not available.

## SECTION 13: Disposal Considerations

### 13.1. Waste Treatment Methods

Data not available.

## SECTION 14: Transportation Information

### 14.1. Transportation by Land-Department of Transportation (DOT, United States of America)

Not regulated according to DOT Regulations.



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### 14.2. Transportation by Air - International Air Transport Association (IATA)

Not regulated according to IATA Dangerous Goods Regulations.

### 14.3 Transportation of Dangerous Goods (TDG, Canada)

Not regulated according to TDG Regulations.

## SECTION 15: Regulatory Information

### 15.1. Occupational Safety and Health Administration (OSHA) Hazards

Not listed.

### 15.2. Superfund Amendments and Reauthorization Act (SARA) 302 Extremely Hazardous Substances

Ammonium Hydroxide (CAS # 1336-21-6): "100 lb EPCRA RQ" As Ammonia [7664-41-7]

Ammonium Hydroxide (CAS # 1336-21-6): "500 lb TPQ" As Ammonia [7664-41-7]

Ammonium Hydroxide (CAS # 1336-21-6): 100 lb EPCRA RQ

Ammonium Hydroxide (CAS # 1336-21-6): 500 lb TPQ

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### 15.3. Superfund Amendments and Reauthorization Act (SARA) 311/312 Hazardous Chemicals

Ammonium Chloride (CAS # 12125-02-9): "5000 lb final RQ  
Ammonium Chloride (CAS # 12125-02-9): 2270 kg final RQ  
Ammonium Chloride (CAS # 12125-02-9): 2270 kg final RQ" As Ammonium chloride [12125-02-9]  
Ammonium Chloride (CAS # 12125-02-9): 5000 lb final RQ  
Ammonium Hydroxide (CAS # 1336-21-6): "1000 lb final RQ  
Ammonium Hydroxide (CAS # 1336-21-6): 100 lb final RQ  
Ammonium Hydroxide (CAS # 1336-21-6): 1000 lb final RQ  
Ammonium Hydroxide (CAS # 1336-21-6): 45.4 kg final RQ  
Ammonium Hydroxide (CAS # 1336-21-6): 454 kg final RQ  
Ammonium Hydroxide (CAS # 1336-21-6): 454 kg final RQ" As Ammonium hydroxide [1336-21-6]

### 15.4. Superfund Amendments and Reauthorization Act (SARA) 313 Toxic Release Inventory (TRI)

Ammonium Chloride (CAS # 12125-02-9): "1.0 % de minimis concentration (10% of total aqueous Ammonia is reportable under this listing)" As Aqueous ammonia from water dissociable ammonium salts and other sources [RR-47925-4]  
Ammonium Chloride (CAS # 12125-02-9): 1.0 % de minimis concentration (10% of total aqueous Ammonia is reportable under this listing)  
Ammonium Hydroxide (CAS # 1336-21-6):  
"1.0 % de minimis concentration (10% of total aqueous Ammonia is reportable under this listing)" As Aqueous ammonia from water dissociable ammonium salts and other sources [RR-47925-4]  
Ammonium Hydroxide (CAS # 1336-21-6): "1.0 % de minimis concentration (includes anhydrous Ammonia and aqueous Ammonia from water dissociable Ammonium salts and other sources, 10% of total aqueous Ammonia is reportable under this listing)" As Ammonia [7664-41-7]  
Ammonium Hydroxide (CAS # 1336-21-6): 1.0 % de minimis concentration (10% of total aqueous Ammonia is reportable under this listing)  
Ammonium Hydroxide (CAS # 1336-21-6): 1.0 % de minimis concentration (includes anhydrous Ammonia and aqueous Ammonia from water dissociable Ammonium salts and other sources, 10% of total aqueous Ammonia is reportable under this listing)

### 15.5. Massachusetts Right-to-Know Substance List

Ammonium Chloride (CAS # 12125-02-9): "Present (including fume)" As Ammonium chloride [12125-02-9]  
Ammonium Chloride (CAS # 12125-02-9): Present (including fume)  
Ammonium Hydroxide (CAS # 1336-21-6): "Present" As Ammonium hydroxide [1336-21-6]  
Ammonium Hydroxide (CAS # 1336-21-6): Extraordinarily hazardous (including anhydrous)  
Ammonium Hydroxide (CAS # 1336-21-6): Present

### 15.6. Pennsylvania Right-to-Know Hazardous Substances

Ammonium Chloride (CAS # 12125-02-9): "Environmental hazard" As Ammonium chloride ((NH<sub>4</sub>)Cl) [12125-02-9]  
Ammonium Chloride (CAS # 12125-02-9): Environmental hazard  
Ammonium Hydroxide (CAS # 1336-21-6): "Environmental hazard" As Ammonium hydroxide ((NH<sub>4</sub>)(OH)) [1336-21-6]  
Ammonium Hydroxide (CAS # 1336-21-6): Environmental hazard  
Water (CAS # 7732-18-5): "Present" As Ethyl alcohol and water [RR-00802-6]  
Water (CAS # 7732-18-5): Present

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### 15.7. New Jersey Worker and Community Right-to-Know Components

Ammonium Chloride (CAS # 12125-02-9): "sn 0093" As Ammonium chloride [12125-02-9]

Ammonium Chloride (CAS # 12125-02-9): sn 0093

Ammonium Hydroxide (CAS # 1336-21-6): "corrosive" As Ammonium hydroxide [1336-21-6]

Ammonium Hydroxide (CAS # 1336-21-6): "SN 0084 500 lb TPQ (The reportable quantity for anhydrous Ammonia is based on 100% of the anhydrous Ammonia. The reportable quantity for aqueous Ammonia is the Ammonia equivalent weight for concentrations of  $\geq 20\%$ .)" As Ammonia [7664-41-7]

Ammonium Hydroxide (CAS # 1336-21-6): "sn 0103" As Ammonium hydroxide [1336-21-6]

Ammonium Hydroxide (CAS # 1336-21-6): corrosive

Ammonium Hydroxide (CAS # 1336-21-6): sn 0084

Ammonium Hydroxide (CAS # 1336-21-6): SN 0084 500 lb TPQ (The reportable quantity for anhydrous Ammonia is based on 100% of the anhydrous Ammonia. The reportable quantity for aqueous Ammonia is the Ammonia equivalent weight for concentrations of  $\geq 20\%$ .)

Ammonium Hydroxide (CAS # 1336-21-6): sn 0103

### 15.8. California Proposition 65

Not listed.

### 15.9. Canada Domestic Substances List / Non-Domestic Substances List (DSL/NDSL)

Ammonium Chloride (CAS # 12125-02-9): "Present" As Ammonium chloride [12125-02-9] (DSL)

Ammonium Chloride (CAS # 12125-02-9): Present (DSL)

Ammonium Hydroxide (CAS # 1336-21-6): "Present" As Ammonium hydroxide [1336-21-6] (DSL)

Ammonium Hydroxide (CAS # 1336-21-6): Present (DSL)

Sodium Chloride (CAS # 7647-14-5): "Present" As Sodium chloride [7647-14-5] (DSL)

Sodium Chloride (CAS # 7647-14-5): Present (DSL)

Water (CAS # 7732-18-5): "Present" As Water [7732-18-5] (DSL)

Water (CAS # 7732-18-5): Present (DSL)

### 15.10. United States of America Toxic Substances Control Act (TSCA) List

**All components of this solution are listed as active on the TSCA Inventory or are mixtures (hydrates) of active items listed on the TSCA Inventory.**

Ammonium Chloride (CAS # 12125-02-9): "Present (ACTIVE)" As Ammonium chloride [12125-02-9]

Ammonium Chloride (CAS # 12125-02-9): Present (ACTIVE)

Ammonium Hydroxide (CAS # 1336-21-6): "Present (ACTIVE)" As Ammonium hydroxide ((NH<sub>4</sub>)(OH)) [1336-21-6]

Ammonium Hydroxide (CAS # 1336-21-6): Present (ACTIVE)

Sodium Chloride (CAS # 7647-14-5): "Present (ACTIVE)" As Sodium chloride (NaCl) [7647-14-5]

Sodium Chloride (CAS # 7647-14-5): Present (ACTIVE)

Water (CAS # 7732-18-5): "Present [XU] (ACTIVE)" As Water [7732-18-5]

Water (CAS # 7732-18-5): Present [XU] (ACTIVE)

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### 15.11. European Inventory of Existing Commercial Chemical Substances (EINECS), European List of Notified Chemical Substances (ELINCS), and No Longer Polymers (NLP)

Ammonium Chloride (CAS # 12125-02-9): "235-186-4" As Ammonium chloride [12125-02-9]  
Ammonium Chloride (CAS # 12125-02-9): 235-186-4  
Ammonium Hydroxide (CAS # 1336-21-6): "215-647-6" As Ammonia, aqueous solution [1336-21-6]  
Ammonium Hydroxide (CAS # 1336-21-6): 215-647-6  
Ammonium Hydroxide (CAS # 1336-21-6): 231-635-3  
Sodium Chloride (CAS # 7647-14-5): "231-598-3" As Sodium chloride [7647-14-5]  
Sodium Chloride (CAS # 7647-14-5): 231-598-3  
Water (CAS # 7732-18-5): "231-791-2" As Water [7732-18-5]  
Water (CAS # 7732-18-5): 231-791-2

## SECTION 16: Other Information

### 16.1. Full Text of Hazard Statements and Precautionary Statements

Causes severe skin burns and eye damage. Harmful to aquatic life.

Do not breathe fumes, mist, vapors, or spray. Wash arms, hands and face thoroughly after handling. Avoid release to the environment. Wear protective gloves and eye protection.

IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician. Specific treatment (Wash areas of contact with water). Wash contaminated clothing before reuse.

Store locked up.

Dispose of contents in accordance with local, state, federal and international regulations.

### 16.2. Miscellaneous Hazard Classes

**Canadian Carcinogenicity Hazard Class:** Not Applicable.

**Physical Hazards Not Otherwise Classified (PHNOC):** Not Applicable.

**Health Hazards Not Otherwise Classified (HHNOC):** Not Applicable.

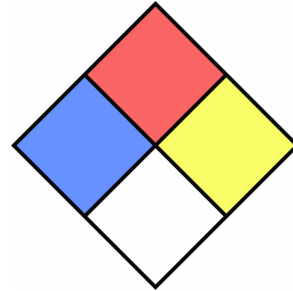
**Biohazardous Infectious Materials Hazard Class:** Not Applicable.



## Safety Data Sheet

### 16.3. National Fire Protection Association (NFPA) Rating

Health:  
Flammability:  
Reactivity:  
Special Hazard:



### 16.4. Document Revision

Last Revision Date: 2026-01-10

## DISCLAIMER

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and RICCA CHEMICAL COMPANY assumes no legal responsibility or liability whatsoever resulting from its use.