




# Safety Data Sheet

## 1. Product Identifier and Company Identification

<b>Product name</b>	: <b>Ammonium Carbonate Solution</b>	
<b>HBCC SDS number</b>	:	
<b>Synonym</b>	: Diammonium carbonate	
<b>Product use and Restrictions</b>	: Refer to label or call	
<b>Manufacturer</b>	: Corporate Headquarters	Corporate Safety & Compliance
<b>Contact Address</b>	Hill Brothers Chemical Company 3000 E Birch St # 108 Brea, CA 92821 714-998-8800 – Office 800-821-7234 – Office	Hill Brothers Chemical Company 7121 West Bell Road, Suite 250 Glendale, Arizona 85308 623-535-9955 - Office 623-535-9944 – Fax
<b>Emergency telephone Number (Chemtrec)</b>	: 800-424-9300	
<b>Website</b>	: <a href="https://hillbrothers.com">https://hillbrothers.com</a>	

## 2. Hazard Identification

<b>Classification</b>	: Skin Corrosion / Irritation; Category 2
<b>Signal Word</b>	: Warning
<b>Pictogram(s)</b>	: 
<b>Hazard Statements</b>	: H315 Causes skin irritation
<b>Precautionary Statements</b>	: P264 Wash hands thoroughly after handling P280 Wear protective gloves. Wear protective clothing. Wear eye/face protection P302+P352 IF ON SKIN: Wash with plenty of soap and water P321 Specific treatment: Wash areas of contact with water P332+P313 If skin irritation occurs: Get medical attention P362 Take off contaminated clothing and wash it before reuse
<b>Response</b>	: N/A
<b>Prevention</b>	: N/A
<b>Storage</b>	: Precautions for Safe Handling and Storage Conditions: as with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage.
<b>Disposal</b>	: N/A

### 3. Composition/Information on Ingredients

#### For Ammonium Carbonate Solutions

CAS Number	Ingredient Name	Weight %
506-87-6	Ammonium Carbonate	5-15
7732-18-5	Water	Balance

### 4. First Aid Measures

#### Summary of First Aid Measures

- Ingestion** : Dilute with water or milk. Call a physician if necessary
- Inhalation** : Not expected to require first aid. If necessary, remove to fresh air
- Skin** : Wash with plenty of soap and water. May cause slight irritation
- Eyes** : May cause slight irritation
- Medical Conditions** : N/A
- Effects of Overexposure** : N/A

### 5. Fire Fighting Measures

- Extinguishing** : Use any means suitable for extinguishing surrounding fire.
- Special Exposure Hazards** : N/A
- Special Protective Equipment for Firefighters** : Use protective clothing and NIOSH-approved breathing equipment appropriate for the surrounding fire.
- Fire Fighting Procedures** : N/A
- NFPA Rating** : Health - 1  
Flammability - 0  
Instability - 0



0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

- Uniform Fire Code Rating** : N/A

## 6. Accidental Release Measures

- Personal Precautions** : Wear protective gloves and eye protection
- Emergency Procedures** : N/A
- Methods of Containment And Clean-Up** : Dilute with water, then flush to sewer if local regulations allow. If not allowed, save for recovery or recycling in an approved waste disposal facility. Always dispose of in accordance with local, state, and federal regulations.

## 7. Handling and Storage

- Safe Handling** : As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage.
- Storage** : Avoid storing in close proximity to strong acids.
- Work/Hygienic Practices** : N/A
- Ventilation** : N/A

## 8. Exposure Controls/Personal Protection

- Occupational Exposure Limits** : N/A
- Protective Equipment** : Wear protective gloves and eye protection. Normal room ventilation is Adequate. Chemical resistant gloves. Safety glasses or goggles.
- Eye Protection** : Wear protective gloves and eye protection. Safety glasses or goggles.
- Respiratory Protection** : Normal room ventilation is adequate.

## 9. Physical and Chemical Properties

Physical State	Liquid	Molecular Weight	N/A
Color	Clear; Transparent	Weight %	5-15% Ammonium Carbonate
Odor	Pungent	Odor Threshold	N/A
pH	8-9.4	Vapor Pressure	N/A
Relative Density (water =1)	1.01 –1.05 @ 15.5 C (60°F)	Vapor Density (air=1)	N/A
Viscosity	N/A	VOC(g/ml)	N/A
Boiling Point/Range (°C)	Approximately 100°C with decomposition	Auto-ignition Temperature(°C)	N/A
Melting Point/Range(°C)	Approximately 0°C	Evaporation Rate	
Flash Point	N/A	Explosive Limits (% , v/v)	N/A
Explosive Properties	N/A	Oxidizing Properties	N/A
Water Solubility	Complete	Partition Coefficient (log Pow)	N/A

## 10. Stability and Reactivity

<b>Reactivity</b>	: N/A
<b>Chemical Stability</b>	: N/A
<b>Possibility of Hazardous Reactions or Polymerizations</b>	: N/A
<b>Conditions to Avoid</b>	: N/A
<b>Incompatible Materials</b>	: Strong acids, acid salts, Iron salts, Zinc salts, Nitrates, Nickel, Copper
<b>Hazardous Decomposition Products</b>	: Will not occur

## 11. Toxicological Information

<b>Symptoms related to Physical, Chemical &amp; Toxicological Characteristics</b>	: Causes skin irritation. Wash arms, hands and face thoroughly after handling. Wear protective gloves and eye protection. IF ON SKIN: Wash with plenty of soap and water. Specific treatment (Wash areas of contact with water). If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.
<b>Numerical Measures of Toxicity</b>	: LD50, Intravenous, mouse (Ammonium Carbonate): 96 mg/kg - respiratory stimulation. (ammonium carbonate) : LD50, oral, rat (Ammonium Carbonate): 2150 mg/kg (ammonium carbonate)
<b>Chronic Toxicity</b>	: N/A
<b>Carcinogenicity Target Organs</b>	: N/A : N/A

## 12. Ecological Information

<b>Ecotoxicity</b>	: Toxic to Fish : LC50 – Fish – 119.46mg/l 96hr, Read-across (analogy) (ammonium carbonate) : Toxic to Daphnia and other aquatic invertebrates: LC50 – water flea – 324.9 mg/l, 48hr (ammonium carbonate) : Toxic to algae: static test EC50 – green algae – 252.92 mg/l – 72hr (ammonium carbonate) : Static test NOEC – green algae – 50 mg/l 72hr (ammonium carbonate)
<b>Persistence and Degradability</b>	: N/A
<b>Bioaccumulative Potential</b>	: N/A
<b>Mobility in Soil</b>	: N/A

### 13. Disposal Considerations

**Disposal of Container** : Consult federal, state, or local authorities for proper disposal procedures.

### 14. Transport Information

**DOT (Domestic)** : If in a quantity, in one package, which equals or exceeds the concentration corresponding to the Reportable Quantity (RQ), as shown in the following table,

RQ pounds (kilograms)	Concentration by weight	
	Percent	PPM
5000 (2270)	10	100,000
1000 (454)	2	20,000
100(45.4)	0.2	2,000
10 (4.54)	0.02	200
1 (0.45)	0.002	20

NA3082, OTHER REGULATED SUBSTANCES, N.O.S., (AMMONIUM CARBONATE), 9, PGIII.

### 15. Regulatory Information

**OSHA** : Not listed

**SARA** : 302 Extremely Hazardous Substances: Not listed  
: 311/312 Hazardous Chemicals: Ammonium Carbonate (CAS # 506-87-6)  
5000 lb final RQ; 2270 kg final RQ

: 313 Toxics Release Inventory (TRI): Ammonium Carbonate (CAS # 506-87-6): 1.0% de minimis concentration (10% of total aqueous Ammonia is reportable under this listing)

**Massachusetts Right-to-Know Substance List** : Ammonium Carbonate (CAS # 506-87-6): Present (listed under Ammonium carbonate)

**Pennsylvania Right-to-Know: Hazardous Substances** : Ammonium Carbonate (CAS # 506-87-6): Environmental hazard  
Ammonium Carbonate (CAS # 506-87-6): Present  
Water (CAS # 7732-18-5): Present

**New Jersey Worker and Community Right-to-Know Components** : Ammonium Carbonate (CAS # 506-87-6): sn 0092

**California Prop. 65** : Not listed

**Canada Domestic Substances List / Non-Domestic Substances List (DSL/NDL)** : Ammonium Carbonate (CAS # 506-87-6): Present (DSL)  
Water (CAS # 7732-18-5): Present (DSL)

**United States of America Toxic Substances Control Act (TSCA) List** : Ammonium Carbonate (CAS # 506-87-6): Active

**European Inventory of Existing Commercial Chemical Substances (EINECS), European List of Notified Chemical Substances (ELINCS), and No Longer Polymers (NLP)** : Not listed

## 16. Other Information

**Revision date** : 05/05/2021  
**Supersedes** : 06/19/2020  
**First Issue** : 06/19/2020

**Chemical Family/Type** : Diammonium Salt

**Section(s) changed since last revision** : 2,4,5,6,7,8,9,10,11,12,13,14,16

**IMPORTANT!** Read this SDS before use or disposal of this product. Pass along the information to employees and any other persons who could be exposed to the product to be sure that they are aware of the information before use or other exposure. The SDS information is based on sources believed to be reliable. Available data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control; **Hill Brothers Chemical Company** makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Additional information may be necessary or helpful for specific conditions and circumstances of use. It is the user's responsibility to determine the suitability of this product and to evaluate risks and exercise appropriate precautions for protection of employees and others prior to use.