

**1. PRODUCT AND COMPANY IDENTIFICATION:**

**PRODUCT CODE** A0444  
**PRODUCT NAME** AMMONIUM CARBONATE  
**SUPPLIER** Shanghai M & U International Trade Co., Ltd.  
Rm 1717, No 598 North NuJiang Road  
200333 Shanghai, China  
+86-21-32515501 32515502  
sales@mu-intel.com

**FOR EMERGENCIES CALL CHEMTREC: 800-424-9300 (24-HOURS)**

**2. HAZARD IDENTIFICATION:**

**Classification of the substance or mixture**



GHS07

Acute Oral Tox. 4  
Eye Irrit. 2A  
STOT SE 3

H302 Harmful if swallowed.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

**Label elements**

Harmful in contact with skin or if inhaled.

**GHS label elements**

Pictograms on label shall be in the shape of a square set at a point and shall include a black hazard symbol on a white background with a red frame sufficiently wide to be clearly visible. The substance is classified and labeled according to the Globally Harmonized System (GHS).

**Hazard pictograms**



GHS07

**Signal word**

## Warning

### Hazard statements

H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

### Precautionary statements

P264	Wash face, hands and any exposed skin thoroughly after handling.
P261	Avoid breathing dust/fumes/mist/vapors.
P271	Use only outdoors or in well-ventilated area.
P280	Wear protective gloves/clothing, eye/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340	IF INHALED: Remove victim to fresh air, and keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes.
P312	Call a poison center or doctor if you feel unwell.
P332+P313	If skin irritation occurs: get medical attention.
P337+P313	If eye irritation persists: get medical attention.
P403	Store in well ventilated place.
P233+P235	Keep container tightly close. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to an approved waste disposal plant.

### Classification system:

#### NFPA ratings (scale 0 - 4)

Health = 1  
Fire = 1  
Reactivity = 0

#### HMIS-ratings (scale 0 - 4)

Health = 1  
Fire = 1  
Reactivity = 0

### Other hazards

#### Results of PBT and vPvB assessment

##### PBT:

Not applicable.

##### vPvB:

Not applicable.

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS:

**Chemical characterization: Substances**

**CAS No.:** 506-87-6

**Description:** Ammonium carbonate

**Identification number(s)**

EC No.: N/A

**Hazardous Components**

Component	Classification	Concentration
None		

**4. FIRST-AID GUIDE:**

**Description of first aid measures**

**After inhalation:**

Supply fresh air; consult a doctor.

**After skin contact:**

Wash skin with soap and water.

**After eye contact:**

Rinse opened eye for several minutes under running water and consult a physician.

**After swallowing:**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

**Information for doctor:**

**Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**5. FIRE-FIGHTING GUIDE:**

**Extinguishing media**

**Suitable extinguishing agents:**

CO<sub>2</sub> or extinguishing powder. Fight larger fires with alcohol resistant foam.

**Special hazards arising from the substance or mixture**

Nitrogen oxides, carbon oxides

**Advice for firefighters**

**Protective equipment:**

No special measures required.

**Additional information**

Cool endangered receptacles with water spray.

Collect contaminated firefighting water separately. It must not enter the sewage system.

**6. ACCIDENTAL RELEASE GUIDE:**

**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment as required. Evacuate unprotected personnel to safe areas.

**Environmental precautions:**

Do not let product enter drains. Prevent further spillage or leakage if safe to do so.

**Methods and material for containment and cleaning up:**

Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

**Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**7. HANDLING AND STORAGE:**

**Handling:**

**Precautions for safe handling**

Avoid contact with skin, eyes or clothing. Use protective equipment as required. Do not breath dust/fumes/vapors. Do not eat, drink or smoke while using this product.

**Information about protection against explosions and fires:**

None.

**Conditions for safe storage, including any incompatibilities**

**Storage:**

**Requirements to be met by storerooms and receptacles:**

Keep container tightly closed in dry, well-ventilated place.

**Information about storage in one common storage facility:**

Not required.

**Further information about storage conditions:**

Keep receptacle tightly sealed in dry, well-ventilated area. Store at room temperature.

**Specific end use(s)**

No further relevant information available.

**8. EXPOSURE AND PERSONAL PROTECTION:****Additional information about design of technical systems:**

No further data; see item 7.

**Control parameters****Components with limit values that require monitoring at the workplace:**

Not required.

**Additional information:**

The lists that were valid during the creation were used as a basis.

**Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

**Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

**Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material should be based on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

**Penetration time of glove material**

The exact break through time has to be determined by the manufacturer of the protective gloves and has to be observed.

**Eye protection:**



Tightly sealed goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

Information on basic physical and chemical properties

<b>General Information</b>	
<b>Appearance:</b>	
<b>Form:</b>	Liquid
<b>Color:</b>	Not determined
<b>Odor:</b>	Not determined
<b>Odour threshold:</b>	Not determined.
<b>pH-value:</b>	Not determined.
<b>Change in condition</b>	
<b>Melting point/Melting range:</b>	58°C
<b>Boiling point/Boiling range:</b>	Not determined.
<b>Flash point:</b>	Not determined.
<b>Flammability (solid, gaseous):</b>	Not applicable.
<b>Ignition temperature:</b>	
<b>Decomposition temperature:</b>	Not determined.
<b>Auto igniting:</b>	Not determined.
<b>Danger of explosion:</b>	Not determined.
<b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapor pressure:</b>	Not determined.
<b>Density at 20 °C (68 °F):</b>	
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix.
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>Organic solvents:</b>	0.0 %
<b>Other information</b>	No further relevant information available.

## 10. STABILITY AND REACTIVITY:

**Reactivity**

**Chemical stability**

**Thermal decomposition/conditions to be avoided:**

No decomposition if used according to specifications.

**Possibility of hazardous reactions**

No dangerous reactions known.

**Conditions to avoid**

Extreme temperatures.

**Incompatible materials:**

Strong oxidizing agents

**Hazardous decomposition products:**

Carbon oxides, nitrogen oxides.

**11. TOXICOLOGICAL INFORMATION:**

**Information on toxicological effects**

**Acute toxicity:**

**Primary irritant effect:**

**On the skin:**

No irritant effect.

**On the eye:**

No irritant effect.

**Sensitization:**

No sensitizing effects known.

**Additional toxicological information:**

**Carcinogenic categories**

**IARC (International Agency for Research on Cancer)**

Substance is not listed.

**NTP (National Toxicology Program)**

Substance is not listed.

**OSHA-Ca (Occupational Safety & Health Administration)**

Substance is not listed.

**12. ECOLOGICAL INFORMATION:**

**Toxicity**

**Aquatic toxicity:**

No further relevant information available.

**Persistence and degradability**

No further relevant information available.

**Behavior in environmental systems:****Bioaccumulative potential**

No further relevant information available.

**Mobility in soil**

No further relevant information available.

**Additional ecological information:****General notes:****Results of PBT and vPvB assessment****PBT:**

Not applicable.

**vPvB:**

Not applicable.

**Other adverse effects**

No further relevant information available.

**13. DISPOSAL RECOMMENDATIONS:****Waste treatment methods****Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**Uncleaned packaging:****Recommendation:**

Disposal must be made according to official regulations.

**14. TRANSPORTATION INFORMATION:**

<b>UN-Number</b> <b>DOT, ADR, IMDG, IATA</b>	Not Regulated.
<b>UN proper shipping name</b> <b>DOT</b> <b>ADR</b> <b>IMDG, IATA</b>	Not regulated.
<b>Transport hazard class(es)</b> <b>DOT, ADR, IMDG, IATA</b> <b>Class</b>	None.
<b>Packing group</b>	Not regulated.



<b>DOT, ADR, IMDG, IATA</b>	
<b>Environmental hazards:</b> <b>Marine pollutant:</b>	No.
<b>Special precautions for user</b>	Not Regulated.
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not Regulated.
<b>Transport/Additional information:</b> <b>DOT</b> <b>Quantity limitations</b>	Not Regulated.
<b>ADR</b> <b>Excepted quantities (EQ)</b>	Not Regulated.
<b>IMDG</b> <b>Limited quantities (LQ)</b> <b>Excepted quantities (EQ)</b>	Not Regulated.
<b>UN "Model Regulation":</b>	Not Regulated.

## 15. REGULATORY INFORMATION:

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Sara**

**Section 355 (extremely hazardous substances):**

Substance is not listed.

**Section 313 (Specific toxic chemical listings):**

Substance is not listed.

**Section 311/312 (Hazards):**

Fire hazard, Acute Health Hazard

**TSCA (Toxic Substances Control Act):**

Substance is not listed.

**Proposition 65**

**Chemicals known to cause cancer:**

Substance is not listed.

**WARNING!** This product contains a chemical known to the State of California to cause cancer:

Acetaldehyde CAS-no. 75-07-0

**Chemicals known to cause reproductive toxicity for females:**

Substance is not listed.

**Chemicals known to cause reproductive toxicity for males:**

Substance is not listed.

**Chemicals known to cause developmental toxicity:**

Substance is not listed.

**Carcinogenic categories**

**EPA (Environmental Protection Agency)**

Substance is not listed.

**TLV (Threshold Limit Value established by ACGIH)**

Substance is not listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health)**

Substance is not listed.

**GHS label elements**

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**Hazard pictograms**



GHS07

**Signal word**

Warning

**Hazard statements**

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P501

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**Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

**16. OTHER INFORMATION:**

The information in this SDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond M&U's control, it is the responsibility of the user both to determine safe conditions for use of this product and to assume liability for loss, damage, or expense arising out of the products improper use. No warranty expressed or implied regarding the product described herein will be created by or inferred from any statement or omission in the SDS. Various federal, state, or provincial agencies may have specific regulations concerning the transportation, handling, storage, use, or disposal of this product which may not be reflected in the SDS. The user should review these regulations to ensure full compliance.

**Prepared By:** M&U International LLC

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