

SAFETY DATA SHEET

Preparation Date: 10/13/2014

Revision Date: 10/13/2014

Revision Number: G1

1. IDENTIFICATION

Product identifier

Product code: AM173
Product Name: AMMONIUM CARBONATE, POWDER, FCC

Other means of identification

Synonyms: Ammonium Carbonate consists of Ammonium Bicarbonate (NH₄HCO₃) and Ammonium Carbamate (NH₂COONH₄) in varying proportions
CAS #: 10361-29-2 (For FCC grade monograph)
8000-73-5 (for NF grade and ACS grade monographs)
506-87-6 (general CAS number)

RTECS # Not available
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: In baking powders, smelling-salts, fire extinguishing compounds.
Uses advised against No information available

Supplier: Spectrum Chemicals and Laboratory Products, Inc.
14422 South San Pedro St.
Gardena, CA 90248
(310) 516-8000

Order Online At: <https://www.spectrumchemical.com>

Emergency telephone number Chemtrec 1-800-424-9300
Contact Person: Martin LaBenz (West Coast)
Contact Person: Ibad Tirmiz (East Coast)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (single exposure)	Category 3

Label elements

Warning**Hazard statements**

Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation

**Hazards not otherwise classified (HNOC)**

Not Applicable

Other hazards

Not available

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area

Precautionary Statements - Response

Specific treatment (see .? on this label)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
IF ON SKIN: Wash with plenty of soap and water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed
Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %	Trade Secret
Ammonium Carbonate CAS-No. 10361-29-2 or 8000-73-5 or 506-87-6		100	*

4. FIRST AID MEASURES

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First aid measures

General Advice:

Poison information centres in each State capital city can provide additional assistance for scheduled poisons (13 1126). First aider needs to protect himself. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Skin Contact:

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention. If skin irritation persists, call a physician.

Eye Contact:

Flush eye with water for 15 minutes. Get medical attention.

Inhalation:

Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion:

Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Symptoms

Irritating to eyes. Irritating to skin. Irritating to eyes and respiratory system. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhoea.

Indication of any immediate medical attention and special treatment needed

Notes to Physician:

Treat symptomatically

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media:

The product is not flammable. If it is involved in a fire, extinguish the fire using an agent suitable for the type of surrounding fire.

Unsuitable Extinguishing Media:

No information available.

Specific hazards arising from the chemical

Hazardous Combustion Products:

Carbon monoxide, Carbon dioxide, Nitrogen oxides, ammonia

Specific hazards:

The substance itself does not burn, but may decompose upon heating

Special Protective Actions for Firefighters

Specific Methods:

No information available.

Special Protective Equipment for Firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions:

Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Avoid dust formation.

Environmental precautions

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

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

Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

Methods for cleaning up

Sweep up and shovel into suitable containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling**Technical Measures/Precautions:**

Provide sufficient air exchange and/or exhaust in work rooms. Avoid dust formation. Keep away from incompatible materials.

Safe Handling Advice:

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not ingest. Do not breathe vapours/dust. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities**Technical Measures/Storage Conditions:**

Protect from light. Sensitive to light. Store in light-resistant containers. Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials.

Incompatible Materials:

Acids. Oxidizing agents. nitrates. nitrites. Sodium Hypochlorite. Zinc salts. Alum. Amines. Iron salts.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters**National occupational exposure limits****United States**

Components	OSHA	NIOSH	ACGIH	AIHA WHEEL
Ammonium Carbonate CAS-No. 10361-29-2 or 8000-73-5 or 506-87-6 -	None	None	None	None

Canada

Components	Alberta	British Columbia	Ontario	Quebec
Ammonium Carbonate CAS-No. 10361-29-2 or 8000-73-5 or 506-87-6 -	None	None	None	None

Australia and Mexico

Components	Australia	Mexico
Ammonium Carbonate CAS-No. 10361-29-2 or 8000-73-5 or 506-87-6 -	None	None

Ammonium Carbonate CAS-No. 10361-29-2 or 8000-73-5 or 506-87-6	None	None
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Appropriate engineering controls

Engineering measures to reduce exposure:

Ensure adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Goggles.

Skin and body protection: Long sleeved clothing. Chemical resistant apron. Gloves.

Respiratory protection: Wear respirator with dust filter..

Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

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Physical state: Solid.	Appearance: Powder.	Color: White.
Odor: Strong. Ammoniacal.	Taste Ammoniacal.	Molecular/Formula weight: No information available
Flash point (°C): No data available	Flashpoint (°C/°F): No information available.	Flash Point Tested according to: Not applicable
Lower Explosion Limit (%): No information available	Upper Explosion Limit (%): No information available	Autoignition Temperature (°C/°F): No information available
pH: No information available	Melting point/range(°C/°F): No information available	Boiling point/range(°C/°F): No information available
Decomposition temperature(°C/°F): 58 °C/136.4 °F	Specific gravity: 1.5	Density (g/cm3): No information available
Bulk density: No information available	Vapor pressure @ 20°C (kPa): No information available	Evaporation rate: No information available
Vapor density: No information available	VOC content (g/L): No information available	Odor threshold (ppm): No information available
Partition coefficient (n-octanol/water): No information available	Viscosity: No information available	Miscibility: No information available
Solubility: Soluble in cold water Decomposes in hot water, yielding Ammonia and Carbon dioxide		

10. STABILITY AND REACTIVITY

Reactivity

Reactive with acids
Reactive with oxidizing agents

Chemical stability

Stability: Stable at normal conditions

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Heat. Avoid dust formation. Incompatible materials.

Incompatible Materials: Acids. Oxidizing agents. nitrates. nitrites. Sodium Hypochlorite. Zinc salts. Alum. Amines. Iron salts.

Hazardous decomposition products: Ammonia. Nitrogen oxides (NOx). Carbon monoxide. Carbon dioxide.

Other Information

Corrosivity: No information available

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:

Ingestion. Inhalation.

Acute Toxicity

Component Information

Ammonium Carbonate

CAS-No. 10361-29-2

or 8000-73-5

or 506-87-6 -

LD50/oral/rat = No information available

LD50/oral/mouse = No information available

LD50/dermal/rabbit = No information available

LD50/dermal/rat = No information available

LC50/inhalation/rat = No information available

LC50/inhalation/mouse = No information available

Other LD50 or LC50 information = No information available

Product Information

LD50/oral/rat =

VALUE- Acute Tox Oral = No information available

LD50/oral/mouse =

Value - Acute Tox Oral = No information available

LD50/dermal/rabbit

VALUE-Acute Tox Dermal = No information available

LD50/dermal/rat

VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat

VALUE-Vapor = No information available

VALUE-Gas = No information available

VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse

VALUE-Vapor = No information available

VALUE - Gas = No information available

VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: Causes skin irritation.

Eye Contact: Causes eye irritation. When Ammonium Carbonate is in powdered form, contact with eyes causes eye irritation.

Inhalation Irritating to respiratory system. Symptoms may include coughing and wheezing. May cause dyspnea (difficulty breathing or shortness of breath).

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Product code: AM173

Product name: AMMONIUM
CARBONATE, POWDER, FCC

7 / 13

Aspiration hazard No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity Long term exposure may cause lung problems
Sensitization: No information available

Mutagenic Effects: No information available

Carcinogenic effects: Not considered carcinogenic.

Components	ACGIH - Carcinogens	IARC	NTP	OSHA HCS - Carcinogens	Australia - Prohibited Carcinogenic Substances	Australia - Notifiable Carcinogenic Substances
Ammonium Carbonate CAS-No. 10361-29-2 or 8000-73-5 or 506-87-6	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

Reproductive toxicity No data is available

Reproductive Effects: No information available
Developmental Effects: No information available
Teratogenic Effects: No information available

Specific Target Organ Toxicity

STOT - single exposure respiratory system. lungs.
STOT - repeated exposure No information available
Target Organs: No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: No data available.

Persistence and degradability: No information available

Bioaccumulative potential: No information available.

Mobility: No information available

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:
Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:
Empty containers should be taken for local recycling, recovery or waste disposal

Components	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Ammonium Carbonate CAS-No. 10361-29-2 or 8000-73-5 or 506-87-6	None	None	None	None

14. TRANSPORT INFORMATION

DOT	
UN-No:	Not regulated (although listed Table 1 to Appendix A - Hazardous Substances Other Than Radionuclides, it is not regulated for transport in sold quantities, which are below the Reportable Quantity (RQ))
Proper Shipping Name:	No information available
Hazard Class:	No information available
Subsidiary Risk:	Not applicable
Packing Group:	None
Marine Pollutant	No data available
ERG No:	No information available
DOT RQ (lbs):	5000 lbs./2270 kg (For CAS no. 506-87-6)
TDG (Canada)	
UN-No:	Not Regulated
Proper Shipping Name:	No information available
Hazard Class:	No information available
Subsidiary Risk:	No information available
Packing Group:	No information available
Description:	No information available
ADR	
UN-No:	Not Regulated
Proper Shipping Name:	No information available
Hazard Class:	No information available
Packing Group:	No information available
Subsidiary Risk:	No information available
Classification Code:	No information available
Description:	No information available
CEFIC Tremcard No:	No information available
IMO / IMDG	
UN-No:	Not Regulated
Proper Shipping Name:	No information available
Hazard Class:	No information available
Subsidiary Risk:	No information available
Packing Group:	No information available
Description:	No information available
IMDG Page:	No information available
Marine Pollutant	No information available
MFAG:	No information available
Maximum Quantity:	No information available
RID	
UN-No:	Not Regulated
Proper Shipping Name:	No information available
Hazard Class:	No information available

14. TRANSPORT INFORMATION

Subsidiary Risk: No information available
Packing Group: No information available
Classification Code: No information available
Description: No information available

ICAO

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available
Description: No information available

IATA

UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available
Description: No information available

15. REGULATORY INFORMATION

International Inventories

Components	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Ammonium Carbonate CAS-No. 10361-29-2 or 8000-73-5 or 506-87-6	Present (for CAS no. 10361-29-2 and 506-87-6) Not Present (for CAS no. 8000-73-5)	Present KE-04691 (For CAS no. 10361-29-2) Present KE-09781 (For CAS no. 506-87-6) Not Present (For CAS no. 8000-73-5)	Present (For CAS numbers 10361-29-2 and 506-87-6) Not Present (for CAS no. 8000-73-5)	Present (1)-141 (For CAS numbers 10361-29-2 and 506-87-6) Not Present (For CAS no. 8000-73-5)	Present [34043] (for CAS no. 10361-29-2) Present [34042] (for CAS no. 506-87-6) Not Present (for CAS no. 8000-73-5)	Present (for all 3 CAS numbers listed)	Present 233-786-0 (For CAS no. 10361-29-2) Present 208-058-0 (For CAS no. 506-87-6) Not Present (for CAS no. 8000-73-5)

U.S. Regulations

Ammonium Carbonate
 CAS-No. 10361-29-2
 or 8000-73-5
 or 506-87-6

Massachusetts RTK: Present (for CAS no. 506-87-6)
New Jersey RTK Hazardous Substance List: sn 0092 (for CAS no, 506-87-6)
New Jersey - Discharge Prevention - List of Hazardous Substances: Present (for CAS no, 506-87-6)
Pennsylvania RTK: Environmental hazard (For CAS numbers 10361-29-2 and 506-87-6)
Pennsylvania RTK - Environmental Hazard List Present (For CAS numbers 10361-29-2 and 506-87-6)
New York Release Reporting - List of Hazardous Substances:
 5000 lb RQ (air); 100 lb RQ (land/water) (for CAS no. 506-87-6)
Louisiana Reportable Quantity List for Pollutants: 5000 lb. final RQ; 2270 kg final RQ
California Directors List of Hazardous Substances: Present (for CAS no. 506-87-6)

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Components	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Ammonium Carbonate CAS-No. 10361-29-2 or 8000-73-5 or 506-87-6	Not Listed	Not Listed	Not Listed	Not Listed

CERCLA/SARA

Components	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting <i>de minimis</i>
Ammonium Carbonate CAS-No. 10361-29-2 or 8000-73-5 or 506-87-6	5000 lb. final RQ; 2270 kg final RQ (for CAS no. 506-87-6)	None	None	None	None

U.S. TSCA

Components	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Ammonium Carbonate CAS-No. 10361-29-2 or 8000-73-5 or 506-87-6	Not Applicable	Not Applicable

Canada

WHMIS hazard class:

Non-controlled

Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Inventory

Components	Canada (DSL)	Canada (NDSL)
Ammonium Carbonate CAS-No. 10361-29-2 or 8000-73-5 or 506-87-6	Present (For all 3 CAS numbers)	Not Listed

Components	CEPA Schedule I - Toxic Substances	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Ammonium Carbonate CAS-No. 10361-29-2 or 8000-73-5 or 506-87-6	Not listed	Not listed

EU Classification

R-phrases(s)

R36/37/38 - Irritating to eyes, respiratory system and skin.

S -phrase(s)

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36 - Wear suitable protective clothing.

S22 - Do not breathe dust.

Components	Classification	Concentration Limits:	Safety Phrases
Ammonium Carbonate CAS-No. 10361-29-2 or 8000-73-5 or 506-87-6		No information	

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

Xi - Irritant.

Xi

**16. OTHER INFORMATION**

16. OTHER INFORMATION

NFPA	HMIS	Personal Protective Equipment
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Health Hazard	2
Fire Hazard	0
Reactivity	0



See Section 8.

Preparation Date: 10/13/2014
Revision Date: 10/13/2014
Prepared by: Sonia Owen

Disclaimer:

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Material Safety Data Sheet