

SAFETY DATA SHEET

1. Identification

1. Identification			
Product identifier	Ammonium Carbonate		
Other means of identification			
Catalog number	1029942		
Chemical name	Carbamic acid, monoammoniu	m salt, mixture	with ammonium carbonate
Recommended use	Specified quality tests and assa	ay use only.	
Recommended restrictions	Not for use as a drug. Not for a	dministration to	o humans or animals.
Manufacturer/Importer/Supplier/	Distributor information		
Company name Address	U. S. Pharmacopeia 12601 Twinbrook Parkway Rockville MD 20852-1790 US		
Telephone	RS Technical Services	301-816-812	9
Website E-mail	www.usp.org RSTECH@usp.org		
Emergency phone number	CHEMTREC within US & Canada	1-800-424-93	300
	CHEMTREC outside US & Canada	+1 703-527-3	3887
2. Hazard(s) identification			
Physical hazards	Not classified.		
Health hazards	Skin corrosion/irritation		Category 2
	Serious eye damage/eye irritati	ion	Category 2A
	Specific target organ toxicity, si exposure	ingle	Category 3 respiratory tract irritation
OSHA hazard(s)	Not classified.		
Label elements			
Signal word	Warning		
Hazard statement	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.		
Precautionary statement			
Prevention	Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Wear protective gloves. Wear eye/face protection.		
Response	If on skin: Wash with plenty of water. Take off contaminated clothing and wash before reuse. 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. Call a poison center/doctor if you feel unwell. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.		
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up.		
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.		
Hazard(s) not otherwise classified (HNOC)	Not classified.		
Environmental hazards	Hazardous to the aquatic environment, Category 2 acute hazard		
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Supplemental information Hazard statement

Toxic to aquatic life.

Precautionary statement	
Prevention	Avoid release to the environment.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

3. Composition/information on ingredients

Substance			
Hazardous components Chemical name	Common name and synonyms	CAS number	%
Ammonium Carbonate		8000-73-5	100
4. First-aid measures			
Inhalation	Move to fresh air. Call a POISON CENTER or doctor/physician if you feel unwell.		
Skin contact	Remove contaminated clothing. Wash off with soap and plenty of water. Get immediate medical attention.		
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.		
Ingestion	Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.		

Irritation of eyes and mucous membranes. Irritant effects.

symptoms/effects, acute and delayed Indication of immediate medical attention and special treatment needed General information

Most important

Provide general supportive measures and treat symptomatically.

Remove from exposure. Remove contaminated clothing. For treatment advice, seek guidance from an occupational health physician or other licensed health-care provider familiar with workplace chemical exposures. In the United States, the national poison control center phone number is 1-800-222-1222. If person is not breathing, give artificial respiration. If breathing is difficult, give oxygen if available. Persons developing serious hypersensitivity (anaphylactic) reactions must receive immediate medical attention.

5. Fire-fighting measures

Suitable extinguishing media	Water. Foam. Dry chemical or CO2.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	No unusual fire or explosion hazards noted.
Special protective equipment and precautions for firefighters	Wear suitable protective equipment.
Fire-fighting equipment/instructions	Use water spray to cool unopened containers. As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Avoid inhalation of dust from the spilled material. Wear appropriate personal protective equipment.
Methods and materials for containment and cleaning up	Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid the generation of dusts during clean-up. For waste disposal, see section 13 of the SDS. Clean surface thoroughly to remove residual contamination.

7. Handling and storage

Precautions for safe handling	As a general rule, when handling USP Reference Standards, avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Clean equipment and work surfaces with suitable detergent or solvent after use. After removing gloves, wash hands and other exposed skin thoroughly.
Conditions for safe storage, including any incompatibilities	Store in tight container as defined in the USP-NF. This material should be handled and stored per label instructions to ensure product integrity.

8. Exposure controls/personal protection

Biological limit values	No biological exposure limits noted for the ingredient(s).
Exposure guidelines	No exposure standards allocated.

Appropriate engineering controls	Airborne exposure should be controlled primarily by engineering controls such as general dilution ventilation, local exhaust ventilation, or process enclosure. Local exhaust ventilation is generally preferred to general exhaust because it can control the contaminant at its source, preventing dispersion into the work area. An industrial hygiene survey involving air monitoring may be used to determine the effectiveness of engineering controls.
Individual protection measures,	such as personal protective equipment
Eye/face protection	Safety glasses with sideshields are recommended. Face shields or goggles may be required if splash potential exists or if corrosive materials are present. Approved eye protection (e.g., bearing the ANSI Z87 or CSA stamp) is preferred. Maintain eyewash facilities in the work area.
Skin protection	
Hand protection	Chemically compatible gloves. For handling solutions, ensure that the glove material is protective against the solvent being used. Use handling practices that minimize direct hand contact. Employees who are sensitive to natural rubber (latex) should use nitrile or other synthetic nonlatex gloves. Use of powdered latex gloves should be avoided due to the risk of latex allergy.
Other	Not available.
Respiratory protection	Where respirators are deemed necessary to reduce or control occupational exposures, use NIOSH-approved respiratory protection and have an effective respirator program in place (applicable U.S. regulation OSHA 29 CFR 1910.134).
Thermal hazards	Not available.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

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Appearance	Colorless crystals or white powder.
Physical state	Solid.
Form	Powder.
Odor	strong ammonia-like odor.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or expl	osive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility in water	Freely soluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Chemical family	Ammonium salt.
Molecular formula	NH4HCO3 with NH2COONH4
10. Stability and reactivity	
Reactivity	No reactivity bazards known

Reactivity	No reactivity hazards known.
Chemical stability	Material is stable under normal conditions.

Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	None known.
Incompatible materials	Sodium hypochlorate, acids and acid salts, iron or zinc salts, alkaloids, aluminum, calomel, sodium nitrate and nitrites. Corrosive to nickel, copper and other alloys.
Hazardous decomposition products	Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions.
11. Toxicological informati	on
Information on likely routes of ex	k posure
Ingestion	Due to lack of data the classification is not possible.
Inhalation	May cause irritation to the respiratory system.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
Symptoms related to the physical, chemical, and toxicological characteristics	Restlessness. Tightness in the chest. Pulmonary edema. Weak pulse. Cyanosis. Irritant effects.
Acute toxicity	Not available.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory sensitization	Due to lack of data the classification is not possible.
Skin sensitization	Due to lack of data the classification is not possible.
Germ cell mutagenicity	Due to lack of data the classification is not possible.
Carcinogenicity	Due to lack of data the classification is not possible.
Reproductive toxicity	Due to lack of data the classification is not possible.
Specific target organ toxicity - single exposure	May cause irritation to the respiratory system.
Specific target organ toxicity - repeated exposure	Due to lack of data the classification is not possible.
Aspiration hazard	Not classified.
12. Ecological information	
Ecotoxicity	Toxic to aquatic life.

Ecotoxicity	Toxic to aquatic life.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	Not available.
Mobility in soil	Not available.
Other adverse effects	Not available.

13. Disposal considerations

Disposal instructions	Dispose in accordance with all applicable regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.
Local disposal regulations	Not available.
Hazardous waste code	Not available.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

ΙΑΤΑ

UN number UN proper shipping name Transport hazard class(es) Subsidiary class(es) Packaging group UN3077 Environmentally Hazardous Substance, solid, n.o.s. (Ammonium Carbonate) 9

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

DOT; IATA



15. Regulatory information

US federal regulations

CERCLA/SARA Hazardous Substances - Not applicable.

One or more components are not listed on TSCA.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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No information available.

chemical Other federal regulations Safe Drinking Water Act (SDWA) Food and Drug To Administration (FDA) Di Gi	o es lot regulated. otal food additive irect food additive iRAS food additive	
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Administration (FDA) Di	irect food additive	
LIC state regulations		
	alifornia Safe Drinking Water and Toxic Enforcement Act of 1986 (Prostore to the second	
International Inventories		
Country(s) or region In	iventory name	On inventory (yes/no)*
Australia Au	ustralian Inventory of Chemical Substances (AICS)	Yes
Canada Do	omestic Substances List (DSL)	Yes
Canada No	on-Domestic Substances List (NDSL)	No
China In	ventory of Existing Chemical Substances in China (IECSC)	No
	uropean Inventory of Existing Commercial Chemical ubstances (EINECS)	No
Europe Eu	uropean List of Notified Chemical Substances (ELINCS)	No
Japan In	ventory of Existing and New Chemical Substances (ENCS)	No
Korea Ex	xisting Chemicals List (ECL)	No
New Zealand New Xealand	ew Zealand Inventory	Yes
	hilippine Inventory of Chemicals and Chemical Substances	No
United States & Puerto Rico To	PICCS)	

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other information, including date of preparation or last revision

Issue date Revision date Version # Further information	04-26-2004 01-16-2015 02 Not available.
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Revision Information	This document has undergone significant changes and should be reviewed in its entirety.