

CarbN

Revision: 1.0 US

Issuing date: 05/09/2025

SECTION 1: Identification of the substance/mixture and of the company/undertaking**Product identifier on label**

CarbN

Use

Liquid fertilizer used for plant or turfgrass food

Supplier or Manufacturer

Aquatrols Corporation of America
1273 Imperial Way
Paulsboro, NJ 08066
Phone number: 1-856-537-6003
info@aquatrols.com

Emergency telephone

FOR EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CONTACT: CHEMTREC 800-424-9300 within the United States and Canada, or 703-527-3887 for international collect calls.

SECTION 2: Hazards identification**Classification**

Skin Irritant:
Eye Irritant:

Category 2
Category 2A

Signal Word (OSHA)

Caution

Hazard Statements

H315 – Causes skin irritation
H319+H320 – Causes eye irritation
H335 – May cause respiratory irritation
H333 – May be harmful if inhaled
H303 – May be harmful if swallowed

Hazard Symbols**Precautionary Statements****(PREVENTION)**

P260 – Do not breathe mist/vapors/spray
P264 – Wash thoroughly after handling
P270 – Do not eat, drink or smoke when using this product
P271 – Use only outdoors in a well-ventilated area
P273 – Avoid release to the environment
P280 – Wear protective gloves/eye protection/face protection

(RESPONSE)

P301+P312 – If swallowed, call a POISON CENTER or doctor if you feel unwell
P330 – Rinse mouth
P302+P352 – IF ON SKIN wash with plenty of soap and water
P305+P351+P338 – IF IN EYES rinse cautiously with water for 20 minutes, remove contact lenses and continue rinsing
P337+P313 – If eye irritation persists, get medical advice/attention
P362+P364 – Take off contaminated clothing

(STORAGE)

P403+P233 – Store in well-ventilated place, keep container tightly closed
P501 – Dispose of container in accordance with local regulations

CarbN

Revision: 1.0 US

Issuing date: 05/09/2025

SECTION 3: Composition/information on ingredients

Chemical Name	CAS Number	Concentration
Ammonium nitrate	6484-52-2	0.2285%
Urea	57-13-6	0.1745%
Humic acid	1415-93-6	0.4-0.8%
Fulvic acid	479-66-3	1.2-2.8%
Water	7732-18-6	≥40.0%
Proprietary Surfactant Blend	Proprietary	≥1.0%

SECTION 4: First aid measures

Have the product container, label, or Safety Data Sheet with you when calling a poison control center, or doctor, or going for medical treatment.

- Ingestion:** If swallowed: Immediately consult a doctor. Rinse mouth with water and drink a large quantity of water.
- Eye Contact:** If in eyes: Immediately rinse with water for 5 minutes. Rinse opened eye for at least 15 minutes under running water. If eye irritation occurs, consult a doctor.
- Skin Contact:** If on skin or clothing: Wash skin with soap and water. Generally the product does not irritate skin.
- Inhalation:** If inhaled: Move person to fresh air. If required, provide artificial respiration. If symptoms occur, consult a doctor. In case of unconsciousness place patient stably in side position for transportation.

Most important symptoms/effects: No further relevant information available.

Indication of immediate medical attention and special treatment needed: No further relevant information available.

SECTION 5: Firefighting measures**Suitable (and unsuitable) extinguishing media**

Use extinguishing agents appropriate to surrounding materials, generally CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Keep wet to prevent nitrate salts from forming as they can support combustion or become explosive.

Special hazards arising from the substance or mixture

If product evaporates, residual solid can be explosive. In a fire, carbon oxides, nitrogen oxides and ammonia may be present. Remove container from fire area.

Special protective equipment and precautions for firefighters

Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent contamination from run-off of adjacent areas, streams, drinking water and sewers. Do not flush down sewers or other drainage systems.

CarbN

Revision: 1.0 US

Issuing date: 05/09/2025

SECTION 6: Accidental release measures**Personal precautions, protective equipment, and emergency procedures**

Wear all necessary PPE.

Environmental precautions

Do not allow spills to enter drains or watercourses.

Methods and materials for containment and cleaning up

Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately and take the personal protective measures outlined in Section 8. Absorb with liquid-binding material e.g. sand, earth, and vermiculite, and place into compatible disposal container, seal container and arrange for disposition. Clean affected area prior to resuming regular work procedures. Do not allow spills to enter drains or watercourses.

SECTION 7: Handling and storage**Precautions for safe handling**

Avoid eye contact and prolonged skin contact. Respiratory protection is normally not required. Sealed containers may develop pressure, open with caution. Store the material in a well-ventilated, secure area. Ensure good ventilation/exhaustion at the workplace. Avoid the formation of aerosols. Prevent eating, drinking, tobacco use and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling the material. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking or smoking. Remove contaminated clothing and clean before reuse.

Conditions for safe storage, including any incompatibilities

Store in the original labeled container in a cool place away from direct sunlight. Keep separate from food and feed products and out of reach of children and animals. Avoid storage at temperatures 110F or higher. Corrosive to steel, aluminum, brass. Use with stainless steel or PVC fittings. Product may stain unfinished wood, painted surfaces, or concrete. Avoid contact with readily oxidizable materials, strong acids and chlorates. Contact with alkaline materials will produce ammonia. Will corrode copper and brass.

SECTION 8: Exposure controls/personal protection

The following recommendations for exposure controls/personal protection are intended for the manufacture, formulation and packaging of this product.

Control parameters**Exposure**

This product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Exposure controls

Respiratory	Not normally required.
Eyes	Chemical goggles or shielded safety glasses recommended.
Skin	Rubber or neoprene gloves recommended.
Ingestion	Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.
Engineering Controls	Not normally required.

CarbN

Revision: 1.0 US

Issuing date: 05/09/2025

General Protective and Hygienic Measures

The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing and wash before reuse.
Wash hands before breaks and at the end of work.
Avoid contact with eyes and skin.

SECTION 9: Physical and chemical properties

Appearance	Brown Liquid
Odor	Characteristic, ammonia
Odor threshold	Not Measured
pH (1% in DI water)	8.0-12.0
Melting point/freezing point (C)	Not measured
Initial boiling point and boiling range (C)	Not measured
Flash Point	Not measured
Evaporation rate (Ether = 1)	Not measured
Flammability (solid, gas)	Not measured
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not measured Upper Explosive Limit: Not measured
Vapor pressure (Pa)	Not measured
Vapor density	Not measured
Specific Gravity	1.05-1.25
Partition coefficient n-octanol/water (Log Kow)	Not measured
Auto-ignition temperature (C)	Not measured
Decomposition temperature (C)	Not measured
Viscosity (cSt)	Not measured
VOC%	Not measured

Other information

No other relevant information.

SECTION 10: Stability and reactivity

Reactivity	Not chemically reactive.
Chemical stability	Stable for 2 years under normal ambient and anticipated conditions of use.
Possibility of hazardous reactions	Hazardous reactions not anticipated.
Conditions to avoid	Avoid storage at high temperatures.
Incompatible materials	Strong oxidizing agents, alkalies, acidic material.
Hazardous decomposition products	If product evaporates, residual solid can be an explosive. In a fire, carbon oxides, nitrogen oxides and ammonia may be present.

SECTION 11: Toxicological information

Acute Oral LD50 (rat)	Not established
Acute Dermal LD50 (rabbit)	Not established
Eye Irritation (rabbit)	Not established
Inhalation LC50 (rat)	Not established
Skin Irritation (rabbit)	Not established
Skin Sensitization (guinea pig)	Not established
Carcinogenic Potential	Not established

Potential irritant to the eye.

CarbN

Revision: 1.0 US

Issuing date: 05/09/2025

SECTION 12: Ecological information

<u>Aquatic toxicity</u>	Avoid release into the environment
<u>Bioaccumulative potential</u>	No information available
<u>Biodegradation</u>	Oxidation and microorganisms
<u>Results of PBT and vPvB assessment</u>	Not applicable
<u>Other adverse effects/information</u>	No further information available

SECTION 13: Disposal considerations

<u>Waste Disposal</u>	Do not allow into drains or water courses. Do not allow product to reach sewage system. Observe all federal, state and local environmental regulations when disposing of this material.
<u>Container Disposal</u>	Dispose of according to local regulations.

SECTION 14: Transport information

US DOT Shipping Description	Not regulated by US DOT
US Surface Freight Classification	Fertilizing Compounds (Manufactured Fertilizers), defined by 49 CFR 172.101 by the USDOT

SECTION 15: Regulatory information**HMIS Hazard Rating**

Health	1
Flammability	0
Reactivity	0

NFPA Hazard Ratings

Health	1
Flammability	0
Reactivity	0

Toxic Substance Control Act (TSCA) All ingredients of this product are listed on the TSCA (Toxic Substances Control Act) Inventory or are not required to be listed on the TSCA Inventory.

SARA Title III Hazard Category Fire: No
Sudden Release of Pressure: No
Reactive: No
Immediate (Acute): Yes
Delayed (Chronic): No

EPCRA 313 Toxic Chemicals (<0.1%): None listed

Proposition 65 – Carcinogens (>0.0%):	None
Proposition 65 – Developmental Toxins (>0.0%):	None
Proposition 65 – Female Repro Toxins (>0.0%):	None
Proposition 65 – Male Repro Toxins (>0.0%):	None

CarbN

Revision: 1.0 US

Issuing date: 05/09/2025

N.J. RTK Substances (>1%): None
Penn RTK Substances (>1%): None

SECTION 16: Other information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose, and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in another manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.