



# SAFETY DATA SHEET

Revision: 07/03/2017

## 1. Identification of the substance/preparation and of the company/undertaking

Trade Name: Water Treat

Intended use: pH conditioner  
Product Code: 497-19-8  
Synonyms: Sodium carbonate, anhydrous; Carbonic acid, disodium salt;  
Disodium carbonate

Chemical Family: Alkali salt

Data on the Company:

Manufacturer: PDSCo, Inc.  
105 W. Sharp St  
El Dorado, AR 71730  
USA  
Tel – 870 863 5707  
Fax – 870 863 0603  
[sales@pdscoinc.com](mailto:sales@pdscoinc.com)  
[www.pdscoinc.com](http://www.pdscoinc.com)

## 2. Hazards Identification

Human health effects: May cause serious eye damage/eye irritation – Category 2

Hazard statements	:	<b>Hazard statements:</b> H315	Causes serious eye irritation.
Precautionary statements	:	<b>Prevention:</b> P264 P280	Wash face/hands thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection.
		<b>Response:</b> P302 + P352 P332 + P313 P362	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention. Take off contaminated clothing.

### Other hazards which do not result in classification

**Inhalation;** Avoid breathing dust.

**Skin;** Causes skin irritation.

**Eyes;** May cause eye irritation.

**Ingestion;** May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

## 3. Composition/information on ingredients

Chemical characterization: Alkali salt

### **Hazardous components**

Chemical Name	CAS-No.	Concentration[%]
Sodium Carbonate	497-19-8	100 %

Synonyms are provided in Section 1.

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#### **4. First-aid measures**

##### Description of first aid measures

Inhalation: Move to fresh air.

Ingestion: Rinse mouth with water. Do NOT induce vomiting. Obtain medical attention.

Skin contact: In cases of local contamination e.g. to the hands, wash the skin with plenty of lukewarm water and soap. For large areas, remove all contaminated clothing and footwear immediately and flush the affected parts with plenty of lukewarm water to remove all traces of product. If any irritation persists seek medical attention.

Eye contact: Do not allow the casualty to rub the eye(s). Quickly and gently brush the product off the face and away from the eyes. Immediately wash the affected eye(s) with plenty of eyewash solution or running water (preferably lukewarm), holding the eyelids apart to ensure complete removal of the product. Continue irrigation for 15 minutes. If there are any signs of irritation seek medical attention immediately.

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#### **5. Fire-fighting measures**

Suitable extinguishing media: Use extinguishing agent suitable for type of surrounding fire.

Special exposure hazards: Non-combustible, substance does not burn. May decompose to produce corrosive or toxic fumes.

Special protective equipment: As for all fires involving chemicals; chemical protection suit for fire-fighters: Suitable gloves and boots and self-contained breathing apparatus.

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#### **6. Accidental release measures**

Personal precautions: Avoid dust formation. Sweep up to prevent slipping.

Environmental precautions: Prevent material from entering drains or water courses.

Methods for cleaning up: Sweep up into suitable closed containers for disposal.

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## 7. Handling and storage

Handling: Do not breathe in any dust formed. Immediately remove clothing that becomes contaminated and launder before re-use. Avoid formation of dust and airborne dust clouds. Keep work area dust free by regular cleaning. Any airborne dust formed during use must be kept away from sources of ignition.

Storage: Store in original container. Keep container tightly closed.

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## 8. Exposure controls/personal protection

### Control parameters

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. Local nuisance dust standards apply.

### Appropriate engineering controls

Ensure adequate ventilation.

### Individual protection measures, such as personal protective equipment Respiratory protection

When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

### Hand protection

Impervious gloves

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

### Skin and body protection

Protective clothing.

### Eye protection

Tightly fitting safety goggles

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## 9. Physical and chemical properties

Appearance:	White granules
Odor:	odorless
pH (1% solution):	11.4
Melting point	851 degrees C
Boiling point:	Not determined.
Flash point:	Not applicable
Explosive properties:	Not determined
Oxidizing properties:	Not applicable
Vapor pressure:	Not applicable
Vapor density:	Not applicable
Relative density:	252 g/cm <sup>3</sup>
Solubility	
- water solubility:	212.5 g/L @ 20 degrees C
- fat solubility:	Not determined
Partition coefficient:	Not determined
Viscosity:	Not applicable

Evaporation rate:	Not applicable
Molecular weight:	105.99
Bulk Density:	0.70 – 0.90 g/cm <sup>2</sup>

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## 10. Stability and reactivity

Stability:	None under normal conditions of use.
Conditions to avoid:	Exposure to air or moisture over prolonged periods.
Materials to avoid:	Aluminum, powdered aluminum, acids.
Hazardous decomposition products:	Sodium oxides. Carbon oxides (CO <sub>x</sub> )

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## 11. Toxicological information

LD50 Oral	2,800 mg/kg (rat)
LD50 Dermal	> 2,000 mg/kg (rabbit)
LC50 Inhalation	2.3 mg/L (rat)
Eye Contact	Irritating to eyes.
Skin Contact	Non-irritating
Sensitization	Patch test on human volunteers did not demonstrate sensitization properties.

### Information on toxicological effects

Symptoms	No information available.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic toxicity	No known effect.
Mutagenicity	No information available
Carcinogenicity	Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH).
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

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## 12. Ecological information

Sodium carbonate (497-19-8)

Effects on fish: 96 hour LC<sub>50</sub> >300 mg/l

Effects on Daphnia: 48 hour EC<sub>50</sub> >200mg/l

Toxicity to other organisms: No data available

Degradability: Biodegradability does not pertain to inorganic substances.

Bioaccumulation: Does not bioaccumulate .

Mobility: Dissociates into ions.

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## 13. Disposal considerations

Waste Disposal: This material, as supplied, is not hazardous waste according to Federal regulations (40 CFR 261). Dispose of in accordance with local regulations.

Contaminated Packaging: Dispose of in accordance with local regulations.

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## 14. Transport information

Land transport: Not classified as dangerous for transport.

Sea transport (IMDG): Not classified as dangerous for transport.

Air transport (ICAO): Not classified as dangerous for transport.

Road transport (ADR): Not classified as dangerous for transport.

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## 15. Regulatory information

SARA Title III Section 311 Categories

Immediate (Acute) Health Effects: Yes

Delayed (Chronic) Health Effects: No

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactivity Hazard: No

SARA 302 Extremely Hazardous Substances

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

None Present ( )

SARA 313 – Specific Toxic Chemical Listings

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

None Present ( )

California Proposition 65

This product does not contain any Proposition 65 chemicals.

Other regulations : None

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**16. Other information**

HMIS Rating

Health: 2

Flammability: 0

Reactivity: 0

NFPA Rating

Health: 2

Fire: 1

Reactivity: 0

Training advice

Read the safety data sheet before using the product.

Further 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. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.