



# Safety Data Sheet

Revision Date Apr-10-2015

Item # 10964

Safety Data Sheet 3941

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Sodium Carbonate 10% Solution  
**Synonyms** No information available  
**Recommended Use** Reserved for industrial and professional use  
**Uses advised against** Consumer uses: Private households (= general public = consumers).

CONTROLLED DOCUMENT  
IF STAMPED IN RED

**Company Name**  
PVS-Nolwood Chemicals, Inc  
10900 Harper Ave.  
Detroit, MI 48213  
(800) 284-9735

**24 Hour Emergency Phone Number** CHEMTREC 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

Serious eye damage/eye irritation

Category 2

### Emergency Overview

#### WARNING

**Hazard statements**  
**Physical hazards**

Causes serious eye irritation  
Do not handle until all hazard precautions have been read and understood



### Precautionary statements

#### Prevention

#### Response

#### Storage

#### Disposal

- Wash face, hands and any exposed skin thoroughly after handling
- Wear protective gloves/protective clothing/eye protection/face protection
- Immediately call a POISON CENTER or doctor/physician
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- IF SWALLOWED: Rinse mouth. DO NOT induce vomiting
- Wash contaminated clothing before reuse
- Store in a well-ventilated place. Keep container tightly closed
- Store in a secure area
- Dispose of contents/container to an approved waste disposal plant

### Hazards not otherwise classified (HNOC)

None known.

### Other Information

Unknown Acute Toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	EC No.	Weight-% *
Water	7732-18-5	231-791-2	90
Sodium carbonate	497-19-8	207-838-8	10

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

<b>General advice</b>	Call 911 or emergency medical service Remove contaminated clothing and shoes Handle in accordance with good industrial hygiene and safety practice
<b>Eye contact</b>	<ul style="list-style-type: none"> <li>• Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes</li> <li>• If eye irritation persists: Get medical advice/attention</li> </ul>
<b>Skin Contact</b>	<ul style="list-style-type: none"> <li>• Remove contaminated clothing and shoes</li> <li>• Immediately flush skin with plenty of water for at least 30 minutes.</li> <li>• If symptoms persist, call a physician</li> <li>• Wash contaminated clothing before reuse</li> </ul>
<b>Inhalation</b>	<ul style="list-style-type: none"> <li>• Remove to fresh air</li> <li>• If not breathing, give artificial respiration</li> <li>• If breathing is difficult, give oxygen</li> <li>• Call a physician immediately</li> </ul>
<b>Ingestion</b>	<ul style="list-style-type: none"> <li>• Rinse mouth</li> <li>• Call a physician or poison control center immediately</li> <li>• Never give anything by mouth to an unconscious person</li> </ul>
<b>Note to physician</b>	Treat symptomatically.
<b>Self-protection for first aid personnel</b>	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	<ul style="list-style-type: none"> <li>• Dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam</li> <li>• Use extinguishing measures that are appropriate to local circumstances and the surrounding environment</li> </ul>
<b>Unsuitable extinguishing media</b>	<ul style="list-style-type: none"> <li>• No information available</li> </ul>
<b>Specific hazards arising from the chemical</b>	<ul style="list-style-type: none"> <li>• Thermal decomposition can lead to release of irritating and toxic gases and vapors</li> <li>• Carbon oxides (CO<sub>x</sub>)</li> </ul>
<b>Protective equipment and precautions for firefighters</b>	<ul style="list-style-type: none"> <li>• Wear a self-contained breathing apparatus and chemical protective clothing</li> </ul>
<b>Flammable properties</b>	<ul style="list-style-type: none"> <li>• No information available</li> </ul>
<b>Explosive properties</b>	<ul style="list-style-type: none"> <li>• No information available</li> </ul>

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	<ul style="list-style-type: none"> <li>• Ensure adequate ventilation, especially in confined areas</li> <li>• Do not touch or walk through spilled material</li> </ul>
<b>Environmental precautions</b>	<ul style="list-style-type: none"> <li>• For small spills, absorb material with clay absorbent or other compatible material. Dispose of the waste material according to local, state and governmental requirements.</li> <li>• For large spills, contain the material using barriers of absorbent pigs, clay absorbent or earth dams.</li> </ul>

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**Methods for cleaning up** • Pick up and transfer to properly labeled containers  
**Other Information** • No information available

**7. HANDLING AND STORAGE**

**Advice on safe handling** • Handle in accordance with good industrial hygiene and safety practice

**Storage Conditions** • Keep away from food, drink and animal feeding stuffs  
• Keep containers tightly closed in a dry, cool and well-ventilated place  
• Protect from freezing

**Incompatible materials** Strong acids

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment**

**Respiratory protection** • A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant the use of a respirator.

**Eye/Face protection** • Wear safety glasses with side shields (or goggles)  
• Wear chemical splash goggles and face shield when eye and face contact is possible due to splashing or spraying of material  
• Use appropriate ANSI approved protective eye and face devices. Eye and face protection requirements are outlined in 29 CFR 1910.133 and ANSI Z87.1.

**Skin and body protection** • Wear suitable protective clothing  
• Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact

**General Hygiene Considerations** • Handle in accordance with good industrial hygiene and safety practice  
• Do not eat, drink or smoke when using this product

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

**Physical state** Liquid  
**Appearance** clear  
**Color** colorless  
**Odor** No discernable odor  
**Odor threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	8-9	
Melting point/Freezing Point	0 °C / 32 °F	
Boiling point / boiling range	100 °C / 212 °F	
Flash point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit (%)	No information available	
Lower flammability limit (%):	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Specific Gravity	1.11	

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**Water solubility** completely soluble  
**Solubility in other solvents** No information available  
**Partition coefficient** No information available  
**Autoignition temperature** No information available  
**Decomposition temperature** No information available  
**Kinematic viscosity** No information available  
**Dynamic viscosity** No information available  
**Explosive properties** No information available  
**Oxidizing properties** No information available

**Other Information**

**Softening point °C** No information available  
**Molecular weight** No information available  
**VOC Content (%)** No information available  
**Density** No information available  
**Bulk density** 9.2574 Pounds per gallon (lb/gal)

**10. STABILITY AND REACTIVITY**

**Stability** • Stable under recommended storage conditions  
**Conditions to avoid** • Extremes of temperature and direct sunlight  
**Incompatible materials** • Strong acids  
**Hazardous Decomposition Products** • Thermal decomposition can lead to release of irritating and toxic gases and vapors  
• Carbon oxides (COx)  
**Possibility of Hazardous Reactions** • None under normal processing and storage

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Principle Routes of Exposure** Inhalation, Skin Contact, Eye contact  
**Inhalation** May cause irritation of respiratory tract. Avoid breathing vapors or mists.  
**Ingestion** May be harmful if swallowed.  
**Skin Contact** May cause skin irritation and/or dermatitis.  
**Eye contact** Contact with eyes may cause irritation.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium carbonate 497-19-8	= 4090 mg/kg ( Rat )	-	= 2300 mg/m <sup>3</sup> ( Rat ) 2 h

**Information on toxicological effects**

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

**Sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** No information available.  
**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information**

**Unknown Acute Toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity  
**The following values are calculated based on chapter 3.1 of the GHS document** . mg/kg mg/l

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium carbonate 497-19-8	-	310 - 1220: 96 h Pimephales promelas mg/L LC50 static 300: 96 h Lepomis macrochirus mg/L LC50 static	265: 48 h Daphnia magna mg/L EC50

**Persistence and degradability** No information available.

**Bioaccumulation** No information available

**Other adverse effects** No information available

**13. DISPOSAL CONSIDERATIONS**

**Disposal of wastes** • Dispose of in accordance with federal, state and local regulations

• Dispose of hazardous waste in a RCRA licensed facility

**Contaminated packaging** • Do not reuse container

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Sodium carbonate 497-19-8	Corrosive

**14. TRANSPORT INFORMATION**

**DOT** Proper shipping name Not regulated  
NOT DOT REGULATED

**IATA** Not regulated

**IMDG** Not regulated

**15. REGULATORY INFORMATION**

**US Federal Regulations**

**SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**SARA 313** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CWA (Clean Water Act)** This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA** This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65** This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

**International Inventories**

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Does not comply
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

**Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- AICS - Australian Inventory of Chemical Substances

**16. OTHER INFORMATION**

<b>NFPA</b>	Health hazards 1	Flammability 0	Instability 0	<b>Physical and Chemical Properties -</b>
<b>HMIS</b>	Health hazards 1	Flammability 0	Physical hazards 0	<b>Personal protection X</b>

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<b>Version</b>	1
<b>Revision Note</b>	*** Updated value on SDS.

**Disclaimer**

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**End of Safety Data Sheet**