

# SAFETY DATA SHEET PRO Dye Activator

SOS#: 497-19-8 Revision date: 2015-03-30 Format: NA Version 5

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier** 

**Product Name** Sodium Carbonate, Anhydrous

Other means of identification

497-19-8 Product Code(s)

Synonyms Sodium carbonate; Carbonic acid. disodium salt; Disodium carbonate

Alkali salt Chemical Family

Recommended use of the chemical and restrictions on use

Recommended Use: Glass manufacture, Personal care, Detergent, Water treatment chemical, Chemical

processing

See section 16 for more information Restrictions on Use:

Supplier Address PRO Chemical & Dye 126 Shove Street

Fall River, MA 02724

508-676-3838

**Emergency Telephone Numbers:** Emergency telephone number

800-255-3924 ChemTel. (United States)

+ 1 01 813-248-0585 (Outside the United States)

# 2. HAZARDS IDENTIFICATION

# Classification

**OSHA Regulatory Status** 

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

Serious eye damage/eye irritation

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# GHS Label elements, including precautionary statements

#### **EMERGENCY OVERVIEW**

## Warning

#### **Hazard Statements**

H319 - Causes serious eye irritation



# **Precautionary Statements - Prevention**

P264 - Wash face, hands and any exposed skin thoroughly after handling

P28D - Wear eye protection/ face protection

**Precautionary Statements - Response** 

P3D5 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses. if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice! attention

## **Hazards not otherwise classified (HNOC)**

No hazards not otherwise classified were identified.

## Other Information

May be harmful if swallowed.

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family Alkali salt. Formula Na2CO)

Chemical name CAS-No Weight% Sodium carbonate 497-19-8 100

Synonyms are provided in Section 1.

## 4. FIRST AID MEASURES

Eye Contact Rinse immediately with plenty of water, also under the eyelids for at least 15 minutes. If

symptoms persist, call a physician.

Skin Contact Wash off with warm water and soap. Get medical attention if irritation develops and

persists. Remove and wash contaminated clothing before re-use.

Inhalation Remove person to fresh air. If signs/symptoms continue, get medical attention.

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Ingestion Never give anything by mouth to an unconscious person Get medical attention if symptoms

occur

Most important symptoms and effects. both acute and delayed

Causes serious eye damage / eye irritation.

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing Media Use extinguishing agent suitable for type of surrounding fire.

Specific Hazards Arising from the Chemical

Non-combustible substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes

**Hazardous Combustion Products** 

Fumes of sodium oxide. Carbon oxides (COx).

Explosion data Sensitivity to Mechanical Impact Sensitivity to Static Discharge

Not sensitive. Not sensitive.

Protective equipment and precautions 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

Avoid dust formation. Sweep up to prevent slipping hazard. Personal Precautions

For further clean-up instructions, call Emergency Hotline number listed in Section 1 Other

"Product and Company Identification" above.

Do not flush into surface water or sanitary sewer system. **Environmental Precautions** 

Prevent large quantities of this product from contacting vegetation or waterways. Cover with **Methods for Containment** plastic sheet to prevent spreading. Pick up and transfer to properly labeled containers.

Keep in suitable and closed containers for disposal.

Pick up and transfer to properly labeled containers. Keep in suitable and closed containers Methods for cleaning up

for disposal. Dispose of waste as indicated in Section 13.

# 7. HANDLING AND STORAGE

Use air conveying/mechanical systems for bulk transfer to storage. Provide appropriate Handling

exhaust ventilation at places where dust is formed. In case of insufficient ventilation. wear

suitable respiratory equipment if release of airborne dust is expected.

Store in original container. Keep in properly labeled containers. Keep container tightly Storage

closed.

Incompatible products Aluminium. Powdered aluminum. Acids

# 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

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#### **Appropriate engineering controls**

Engineering measures Where reasonably practicable this should be achieved by the use of local exhaust

ventilation and good general extraction.

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

**Eve/Face Protection** Tightly fitting safety goggles.

**Skin and Body Protection** Wear suitable protective clothing. Protective shoes or boots.

**Hand Protection** Nitrile rubber, Neoprene gloves

**Respiratory Protection** In case of inadequate ventilation wear respiratory protection.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

**General information** These recommendations apply to the product as supplied

# 9. PHYSICAL AND CHEMICAL PROPERTIES

## Information on basic physical and chemical properties

**Appearance** Granules **Physical State** Solid Color White Odor odorless Odor threshold Not applicable

рН 11.4 (1% solution in water)

Melting point/freezing point 851C

**Boiling Point/Range** No information available Flash point Not applicable

**Evaporation Rate** No information available

Flammability (solid, gas) Non-combustible, substance itself does not burn but may decompose upon heating to

produce corrosive and/or toxic fumes Flammability Limit in Air

Upper flammability No information available limit: No information available Lower flammability limit: No information available Vapor pressure No information available Vapor density No information available

Density 2.52

Specific gravity 212.5 g/L @ 20C Water solubility No information available Solubility in other solvents No information available Partition coefficient No information available

**Autoignition temperature Decomposition temperature** 

400C No information available Viscosity, kinematic No information available Viscosity, dynamic

**Explosive properties** Not explosive **Oxidizing properties** Non-oxidizing Molecular weight 105.99

**Bulk density** 1 12 g/cm3 (Dense grades) 0.70 - 0.90 g/cm3 (Light Grades)

0 bar m/s Kst

# 10. STABILITY AND REACTIVITY

Reactivity None under normal use conditions

Chemical Stability Stable. Decomposes by reaction with strong acid.



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**Possibility of Hazardous Reactions** None under normal processing.

**Hazardous polymerization**Hazardous polymerization does not occur.

**Conditions to avoid** Exposure to air or moisture over prolonged periods.

Incompatible materials Aluminium. Powdered aluminum. Acids.

**Hazardous Decomposition Products** Sodium oxides. Carbon oxides (COx).

## 11. TOXICOLOGICAL INFORMATION

## **Product 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.

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

Chronic toxicity
No known effect.
No information available

Carcinogenicity Not recognized as carcinogenic by Research Agencies (IARC, NTP. OSHA. ACGIH).

Reproductive toxicity
STOT - single exposure
STOT - repeated exposure
Aspiration hazard

No information available.
No information available.
No information available.

# 12. ECOLOGICAL INFORMATION

#### **Ecotoxicity**

Sodium carbonate (497-19-8)				
Active ingredients)	Duration	Species	Value	Units
Sodium Carbonate	196 h LCSO	Bluegill sunfish	300	mg/L
Sodium Carbonate	148 h EC50	Ceriodaphnia	1200-227	mg/L

Persistence and degradability Biodegradability does not pertain to inorganic substances.

Bioaccumulation Does not bioaccumulate.

Mobility Dissociates into ions.

Other Adverse Effects None known.

# 13. DISPOSAL CONSIDERATIONS



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This material, as supplied, is not a hazardous waste according to Federal regulations (40

CFR 261) Dispose of in accordance with local regulations.

Waste disposal methods

 $\label{eq:decompose} \mbox{Disappose of in accordance with local regulations.}$ 

14. TRANSPORT INFORMATION

**Contaminated Packaging** 

**NOT REGULATED** 

NOT REGULATED NOT REGULATED NOT REGULATED

TDG ICAO/IATA IMDG/IMO

DOT

15. REGULATORY INFORMATION

# u.s. Federal Regulations

#### **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

## SARA 311/312 Hazard Categories

Acute health hazard
Chronic health hazard
Fire hazard
Sudden release of pressure hazard
Reactive Hazard

Yes
No
No
No
No
No

#### 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

This product does not contain any substances regulated by state right-to-know regulations

#### International Inventories

Component	TSCA (United States)	DSL (Canada)	EINECS/ELI NCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Sodium carbonate 497-19-8 ( 100)	Х	Х	X	Χ	X	Х	X	X



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Mexico - Grade Moderate risk, Grade 2

WHMIS Hazard Class D2B • Toxic materials. Eve irritation

Class E: Corrosive to aluminum. Not corrosive to animal skin or carbon steel.





#### **16. OTHER INFORMATION**

NFPA	Health Hazards 2	Flammability 0	Instability 0	Special Hazards -
HMIS	Health Hazards 2	Flammability 0	Physical hazard 0	Personal Protection X

NFPA/HMIS Ratings Legend Severe = 4 Serious = 3 Moderate = 2 Slight = 1 Minimal = 0

#### **Product Certifications**

This product meets the chemical testing specifications defined in the Food Chemicals Codex (FCC). 8th Edition.

This product is certified to NSF/ANSI Standard 60 for use in drinking water treatment at the specified maximum use limit. The MUL (maximum use level) for sodium carbonate. anhydrous is 150 *mg/L* under NSF/ANSI Standard 60.

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## Disclaimer

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End of Safety Data Sheet