

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 08/09/2019

Reviewed on 08/09/2019

1 Identification

- *Product Identifier*
- *Trade Name: Natural powdered oxygen booster- All Variants*
- *Relevant identified uses of the substance or mixture and uses advised against:* Household Product
- *Product Description:*
Powdered cleaning agent booster for clothes or fabrics that can emulsify oils and hold dirt in suspension
- *Application of the substance / the mixture:*
This product is packaged for retail sale, and intended for consumer use. The U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) does not apply to "consumer products" as defined by the U.S. Consumer Product Safety Act and Federal Hazardous Substances Act. This Safety Data Sheet (SDS) is provided to assist with proper use and safe handling of this product. Other applicable consumer product use and safety information can be found on the product label.
- *Details of the Supplier of the Safety Data Sheet:*
- *Manufacturer/Supplier:*
Greenology Products, Inc.
8305 Falls of the Neuse Road, Suite 206
Raleigh, NC 27615
Phone: 919-518-0908
Fax: 919-845-0084
<http://www.greenshieldorganic.com/>
- *Emergency telephone number:*
Chemtel (800) 255-3924
International: +01 (813) 248-0584

2 Hazard(s) Identification

- *Classification of the substance or mixture:*



Corrosion

Eye Dam. 1 H318 Causes serious eye damage.

- *Label elements:*
- *Hazard pictograms:*



- *Signal word:* Danger
- *Hazard-determining components of labeling:*
Sodium percarbonate
- *Hazard statements:*
H318 Causes serious eye damage.
- *Precautionary statements:*
P280 Wear eye protection / face protection.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a poison center/doctor.
- *Unknown acute toxicity:*
This value refers to knowledge of known, established toxicological or ecotoxicological values.
0 % of the mixture consists of component(s) of unknown toxicity.
- *Classification system:* NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

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- NFPA ratings (scale 0 - 4)

Health = 3
Fire = 0
Reactivity = 0

The substance possesses oxidizing properties.

- HMIS-ratings (scale 0 - 4)

HEALTH	3	Health = *3
FIRE	0	Fire = 0
REACTIVITY	0	Physical Hazard = 0

- Hazard(s) not otherwise classified (HNOC): None known

3 Composition/Information on Ingredients

- Chemical characterization: Mixtures
- Description: Non-Regulated Material

- Dangerous Components:

497-19-8	Sodium carbonate ⚠ Eye Irrit. 2A, H319	50-100%
15630-89-4	Sodium percarbonate ⚠ Ox. Sol. 2, H272; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; STOT SE 3, H335	10-30%

- Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4 First-Aid Measures

- Description of first aid measures
- General information: If symptoms persist, call a physician.
- After inhalation: Not expected. Get medical attention immediately if symptoms occur.
- After skin contact: If skin irritation occurs, consult a doctor.
- After eye contact:
Seek immediate medical advice.
Have eyes examined and tested by medical personnel.
Rinse opened eye for several minutes under running water. Then consult a doctor.
If easy to do so, remove contact lenses if worn.
If eye irritation occurs, consult a doctor.
- After swallowing: If swallowed and symptoms occur, consult a doctor.
- Information for doctor
- Most important symptoms and effects, both acute and delayed: No further relevant information available.
- Indication of any immediate medical attention and special treatment needed:
No further relevant information available.

5 Fire-Fighting Measures

- Extinguishing media
- Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- For safety reasons unsuitable extinguishing agents: No further relevant information.
- Special hazards arising from the substance or mixture:
Sodium percarbonate is an oxidizer, which will intensify fire. Use caution.

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- **Advice for firefighters**
- **Special protective equipment for firefighters:**
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**
Household Environment: Small spills and leaks may be cleaned up and disposed of in normal household trash.
Industrial Environment: Material may slippery. Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust). Avoid releasing large amounts of material to the sewer system. Dispose of the collected material according to regulations.
- **Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

· PAC-1:		
497-19-8	Sodium carbonate	7.6 mg/m ³
· PAC-2:		
497-19-8	Sodium carbonate	83 mg/m ³
· PAC-3:		
497-19-8	Sodium carbonate	500 mg/m ³

7 Handling and Storage

- **Handling**
- **Precautions for safe handling:**
Household Environment: Please follow the product label.
Industrial Setting: Wear protective equipment as detailed in section 8.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
KEEP OUT OF REACH OF CHILDREN AND PETS. Store in original container in a cool, dry place and keep container closed when not in use. Avoid freezing and hot temperatures .
No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s):** No further relevant information available.

8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**
- **Components with occupational exposure limits:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

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- *Exposure controls:*
- *Personal protective equipment*
- *General protective and hygienic measures:*
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 the eyes.
- *Breathing equipment:* Not required.
- *Protection of hands:* Not required.
- *Material of gloves:* Not applicable.
- *Penetration time of glove material:* Not applicable.
- *Eye protection:*



Tightly sealed goggles required in a manufacturing setting only.

- *Limitation and supervision of exposure into the environment:* None

9 Physical and Chemical Properties

- *Information on basic physical and chemical properties*

- *General Information*

- *Appearance:*

Form: Powder

Color: White

- *Odor:* Neutral

- *Odor threshold:* Not determined.

- *pH-value @ 20 °C (68 °F):* 10.5-11.5

- *Change in condition*

Melting point/Melting range: Not determined.

Boiling point/Boiling range: Not determined.

- *Flash point:* None

- *Flammability (solid, gaseous):* Contact with combustible material may cause fire.

- *Ignition temperature:* Not applicable

- *Decomposition temperature:* Not determined.

- *Auto igniting:* Product is not self-igniting.

- *Danger of explosion:* Product does not present an explosion hazard.

- *Explosion limits:*

Lower: Not determined.

Upper: Not determined.

- *Vapor pressure:* Not applicable.

- *Density:*

Relative density: Not determined.

Vapor density: Not applicable.

Evaporation rate: Not applicable.

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- **Solubility in / Miscibility with:**
 - Water: Insoluble.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic: Not applicable.
 - Kinematic: Not applicable.
- **Solvent content:**
 - VOC content: 0.00 %
 - Solids content: 100.0 %
- **Other information:** No further relevant information available.

10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:**
In a household environment, cleaning products should not be mixed with other household chemicals, unless specifically stated in the use directions.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information

- **Information on toxicological effects:**
- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:		
497-19-8 Sodium carbonate		
Oral	LD50	4,090 mg/kg (Rat)
Inhalative	LC50/96 hours	300 mg/l (Fathead Minnow)
15630-89-4 Sodium percarbonate		
Oral	LD50	2,200 mg/kg (Mouse) 2,400 mg/kg (Rat)

- **Primary irritant effect:**
- **On the skin:** Strong caustic effect on skin and mucous membranes.
- **On the eye:**
Strong irritant with the danger of severe eye injury.
Corrosive effect.
Causes serious eye irritation.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
- **Carcinogenic categories:**

· IARC (International Agency for Research on Cancer):
None of the ingredients are listed.

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· <i>NTP (National Toxicology Program):</i>
None of the ingredients are listed.
· <i>OSHA-Ca (Occupational Safety & Health Administration):</i>
None of the ingredients are listed.

12 Ecological Information

· <i>Toxicity:</i>
· <i>Aquatic toxicity:</i>
497-19-8 Sodium carbonate
EC50 227 mg/l (Daphnia)
· <i>Persistence and degradability:</i> No further relevant information available.
· <i>Behavior in environmental systems:</i>
· <i>Bioaccumulative potential:</i> No further relevant information available.
· <i>Mobility in soil:</i> No further relevant information available.
· <i>Additional ecological information:</i>
· <i>General notes:</i> Generally not hazardous for water.
· <i>Results of PBT and vPvB assessment:</i>
· <i>PBT:</i> Not applicable.
· <i>vPvB:</i> Not applicable.
· <i>Other adverse effects:</i> No further relevant information available.

13 Disposal Considerations

- *Waste treatment methods*
- *Recommendation:*
Smaller quantities can be disposed of with household waste.
Observe all federal, state and local environmental regulations when disposing of this material.
- *Uncleaned packaging*
- *Recommendation:* Offer empty container for recycling. If recycling is not available, discard in trash.
- *Recommended cleansing agent:* Water, if necessary with cleansing agents.

*** 14 Transport Information**

· <i>UN-Number:</i>	
· <i>DOT, ADR/ADN, IMDG, IATA</i>	Non-Regulated Material
· <i>UN proper shipping name:</i>	
· <i>DOT, IMDG, IATA</i>	Non-Regulated Material
· <i>ADR/ADN</i>	UN-
· <i>Transport hazard class(es):</i>	
· <i>DOT, ADR/ADN, ADN, IMDG, IATA</i>	
· <i>Class:</i>	Non-Regulated Material
· <i>Packing group:</i>	
· <i>DOT, ADR/ADN, IMDG, IATA</i>	Non-Regulated Material
· <i>Environmental hazards:</i>	Not applicable.
· <i>Special precautions for user:</i>	Not applicable.
· <i>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</i>	Not applicable.
· <i>UN "Model Regulation":</i>	Non-Regulated Material

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15 Regulatory Information

- Safety, health and environmental regulations/legislation specific for the substance or mixture:
- SARA (Superfund Amendments and Reauthorization):

• Section 355 (extremely hazardous substances):

None of the ingredients are listed.

• Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

• TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

• Hazardous Air Pollutants

None of the ingredients are listed.

• California Proposition 65:

• Chemicals known to cause cancer:

None of the ingredients are listed.

• Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

• Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

• Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

• New Jersey Right-to-Know List:

None of the ingredients are listed.

• New Jersey Special Hazardous Substance List:

None of the ingredients are listed.

• Pennsylvania Right-to-Know List:

None of the ingredients are listed.

• Pennsylvania Special Hazardous Substance List:

None of the ingredients are listed.

• Carcinogenic categories:

• EPA (Environmental Protection Agency):

None of the ingredients are listed.

• TLV (Threshold Limit Value established by ACGIH):

None of the ingredients are listed.

• NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients are listed.

• GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

• Hazard pictograms:



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- **Signal word:** Danger
- **Hazard-determining components of labeling:**
Sodium percarbonate
- **Hazard statements:**
H318 Causes serious eye damage.
- **Precautionary statements:**
P280 Wear eye protection / face protection.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a poison center/doctor.

· **National regulations:**

None of the ingredients are listed.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other Information

Consumer Product Label Information

DIRECTIONS: Wash in the warmest temperature recommended by label instructions. Follow fabric care label instructions. Test inside seam for color fastness. Do NOT use on wool or silk (including blends), leather or dry clean only fabrics.

WASH: TOP LOADER: Add 1 to 2 scoops of Oxygen Bleach Detergent, depending on load size, and laundry detergent to running water or drum BEFORE adding laundry.

HE WASHER: Add Oxygen Bleach Detergent to the drum and laundry detergent as usual BEFORE adding laundry. Do NOT put Oxygen Bleach Detergent in the dispenser.

PRESOAK: Mix 1 full scoop of Oxygen Bleach Detergent into 1 gallon of the warmest temperature recommended by label instructions until completely dissolved. Submerge garment and allow to soak for up to 6 hours. Wash using the Oxygen Bleach Detergent per instructions above.

CAUTION: Keep out of reach from children. Eye irritant, in case of eye contact flush with cool water for 15 minutes. Contact a medical professional if discomfort continues. If ingested, drink plenty of water and do not induce vomiting. If discomfort continues consult a medical professional.

STORAGE & DISPOSAL: Store in cool, dry location. Please recycle clean and dry container when empty.

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

- **Date of last revision/ revision number:** 08/09/2019 / 3

· **Abbreviations and acronyms:**

- ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
- ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- ACGIH: American Conference of Governmental Industrial Hygienists
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- NFPA: National Fire Protection Association (USA)
- HMIS: Hazardous Materials Identification System (USA)
- VOC: Volatile Organic Compounds (USA, EU)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- NIOSH: National Institute for Occupational Safety and Health

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OSHA: Occupational Safety & Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Ox. Sol. 2: Oxidizing solids – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

• ** Data compared to the previous version altered.*

SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106