

Safety Data Sheet PerCarb

SECTION 1: Identification

1.1 GHS Product identifier

Product name PerCarb

1.2 Recommended Use

Bactericide / Fungicide

1.3 Supplier's details

Name BioSafe Systems
Address 22 Meadow Street
East Hartford CT 06108 USA
Telephone 1.888.273.3088

1.4 Emergency phone number

CHEMTREC: 1-800-424-9300

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2024)

- Acute toxicity, oral, Cat. 4
- Acute toxicity, dermal, Cat. 4
- Eye damage/irritation, Cat. 1
- Oxidizing solids, Cat. 3

2.2 GHS label elements, including precautionary statements

Pictograms



Signal word

Danger

Hazard statement(s)

H302 Harmful if swallowed
H312 Harmful in contact with skin
H318 Causes serious eye damage
H272 May intensify fire; oxidizer

Precautionary statement(s)

P101 If medical advice is needed, have label at hand.
P102 Keep out of reach of children

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P103	Read label before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P220	Keep away from clothing and other combustible materials.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P262	Do not get in eyes, on skin or on clothing
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P301+P312	If swallowed: Call a poison center if you feel unwell.
P501	Dispose of contents according to local, state and/or federal regulations.
P302+P352	If on skin: Wash with plenty of water.
P321	Specific treatment: see first aid section on this label.
P362+P364	Take off contaminated clothing and wash it before reuse.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Component	Concentration
SODIUM PERCARBONATE (CAS no.: 15630-89-4)	85 - 100 % (weight)

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Consult a physician if you feel unwell. Show this safety data sheet to the physician.
If inhaled	Move person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.
In case of skin contact	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice if irritation persists.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.
If swallowed	Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation: May cause respiratory irritation if dust is inhaled.
Symptoms/effects after skin contact: Burning sensation.
Symptoms/effects after eye contact: Serious damage to eyes.
Symptoms/effects after ingestion: Burns.

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

Treat symptomatically

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Water or water spray

5.2 Specific hazards arising from the chemical

Fire hazard: May intensify fire; oxidizer.

Carbon monoxide, carbon dioxide, oxygen.

5.3 Special protective actions for fire-fighters

Full chemical protection suits/boots, and self-contained breathing apparatus. Use large quantities of water spray to fight fire. Cool containers / tanks with water spray. If safe to do, move product away from fire to secure area.

Eliminate all possible sources of ignition and remove flammable material.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection if necessary. Avoid breathing dust. Ensure adequate ventilation. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains and avoid releases to the environment.

6.3 Methods and materials for containment and cleaning up

Sweep up to prevent slipping hazards. Place spilled material into a suitable container using protective equipment, avoid dust cloud formation. After removing material, clean affected area/surfaces with an excess of water. Dispose of according to local, state, and federal regulations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid creating dust. Avoid contact with skin, eyes, or clothing. Keep away from open flames/heat, no smoking.

Wear safe personal protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Do not store near combustible materials. Store in accordance with local, state or federal regulations. Keep out of the reach of children. This product should be used within 24 months of the date of manufacture.

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls

Avoid creating dust. Maintain adequate ventilation.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection

Safety glasses.

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Skin protection

Protective gloves.

Body protection

Wear suitable protective clothing

Respiratory protection

For most conditions, no respiratory protection should be needed. For excessive dust condition: dust mask or NIOSH approved particulate respirator.

SECTION 9: Physical and chemical properties

Physical state	Solid
Appearance	White, granular solid
Color	White
Odor	Odorless
Odor threshold	No data available.
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	No data available.
Flammability	No data available.
Lower and upper explosion limit/flammability limit	No data available.
Flash point	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	SADT > 55°C (131°F)
pH	10.5 in 3% solution
Kinematic viscosity	No data available.
Solubility	140 g/L at 20°C (68°F)
Partition coefficient n-octanol/water (log value)	No data available.
Vapor pressure	No data available.
Evaporation rate	No data available.
Density and/or relative density	1.0 g/cm ³
Relative vapor density	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Oxidizer. Contact with incompatible materials. Sources of ignition. Exposure to heat.

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Heat, flames and sparks. Incompatible materials. Keep away from open flames, hot surfaces and sources of ignition.

10.5 Incompatible materials

Strong acids/bases, salts of heavy metals, organic materials, reducing agents, flammables, combustibles, moisture.

10.6 Hazardous decomposition products

Thermal decomposition generates carbon dioxide and oxygen which supports combustion

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SECTION 11: Toxicological information

Acute toxicity

Oral: 1034 mg/kg (Rat), Dermal: >2000 mg/kg (Rabbit), Inhalation: >4580 mg/m³ (Rat)

Skin corrosion/irritation

May cause skin irritation.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitization

May cause respiratory tract irritation.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Specific target organ toxicity (STOT) - single exposure

No data available.

Specific target organ toxicity (STOT) - repeated exposure

No data available.

Aspiration hazard

No data available.

SECTION 12: Ecological information

Toxicity

96h LC₅₀ Pimephales promelas 71 mg/L, 96h EC₅₀ Daphnia pulex 4.9 mg/L

Persistence and degradability

Degrades rapidly into water and oxygen.

Bioaccumulative potential

Does not bioaccumulate.

Mobility in soil

Non-significant adsorption soil degradation.

SECTION 13: Disposal considerations

Product disposal

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

Packaging disposal

Dispose of as unused product. Do not reuse containers.

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SECTION 14: Transport information

DOT (US)

UN Number: UN3378

Class: 5.1

Packing Group: II

Proper Shipping Name: Sodium carbonate peroxyhydrate

IMDG

UN Number: UN3378

Class: 5.1

Packing Group: II

Proper Shipping Name: Sodium carbonate peroxyhydrate

IATA

UN Number: UN3378

Class: 5.1

Packing Group: II

Proper Shipping Name: Sodium carbonate peroxyhydrate

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

US EPA TSCA public inventory

Chemical name: SODIUM PERCARBONATE

CAS number: 15630-89-4

SECTION 16: Other information

16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall BioSafe Systems be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if BioSafe Systems has been advised of the possibility of such damages.