

Safety Data Sheet

SDS #0015
Sodium Percarbonate



Crystal Clear Lab™

Sodium Percarbonate — Oxygen-Based Laundry Booster

SECTION 1: IDENTIFICATION

Product Identifier: Sodium Percarbonate — Oxygen-Based Laundry Booster

Chemical Name: Sodium carbonate peroxyhydrate

Synonyms: Sodium percarbonate; sodium carbonate peroxide; sodium carbonate hydrogen peroxide adduct; solid hydrogen peroxide; oxygen bleach; color-safe oxygen bleach; oxygen-based laundry booster

CAS Number: 15630-89-4

UN Number: UN3378

SDS Number: CCL_SDS0015

Supplier: Crystal Clear Lab

Address: 13854 C Plaza, Omaha, NE 68144

24-Hour Emergency Contact: 1-833-875-0643

Recommended Uses: Laundry booster; oxygen-based stain remover; household and commercial cleaning; bleaching; oxidizing; laboratory chemical.

Restrictions on Use: Use only as directed. Not for ingestion. Do not make pesticidal, disinfectant, or sanitizing uses unless the product is separately registered and labeled for those uses.

SECTION 2: HAZARD IDENTIFICATION

Physical State: Crystalline solid / white powder

GHS Classification: Oxidizing Solids — Category 2; Acute Toxicity (Oral) — Category 4; Serious Eye Damage / Eye Irritation — Category 1.



Signal Word
DANGER

Hazard Statements: H272 — May intensify fire; oxidizer. H302 — Harmful if swallowed. H318 — Causes serious eye damage.

Prevention: 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. P221 — Take any precaution to avoid mixing with combustibles. P264 — Wash thoroughly after handling. P270 — Do not eat, drink or smoke when using this product. P280 — Wear protective gloves/protective clothing/eye protection/face protection.

Response: P301+P312 — IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. P330 — Rinse mouth. 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. P370+P378 — In case of fire: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide to extinguish. P391 — Collect spillage.

Disposal: P501 — Dispose of contents/container in accordance with applicable regulations.

Consumer-product labeling notice

This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC). The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this SDS differ from the labeling requirements of the CPSC and, as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %
Sodium percarbonate (sodium carbonate peroxyhydrate)	15630-89-4	>95%

SECTION 4: FIRST-AID MEASURES

General Advice: Provide this SDS to medical personnel. Treat according to the patient's condition.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.

Skin Contact: Brush off loose material and rinse with water. Remove contaminated clothing. Obtain medical advice if irritation persists.

Inhalation: Move person to fresh air and keep comfortable for breathing. Obtain medical attention if symptoms occur.

Ingestion: Rinse mouth. Give water if the person is conscious. Do not induce vomiting. Call a poison center or doctor if unwell.

Most Important Symptoms: Inhalation may cause dry or sore throat, coughing, and respiratory irritation. Eye contact may cause inflammation, tissue damage, or corrosion. Ingestion may cause nausea and vomiting.

Notes to Physician: Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Media: Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Specific Hazards: May intensify fire; oxidizer. Heating or combustion may release carbon monoxide and carbon dioxide. Heated containers may present a pressure or explosion hazard.

Firefighter Protection: Wear positive-pressure self-contained breathing apparatus and full protective gear. Cool exposed containers with water spray; do not move a load exposed to heat until safe.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Evacuate unnecessary personnel. Ensure ventilation. Avoid dust formation and breathing dust. Wear protection described in Section 8.

Environmental Precautions: Contain the release. Prevent entry into drains, sewers, soil, and surface water.

Cleanup: Prevent dust clouds. Carefully scoop into clean, dry, closed containers. Do not mix with combustible waste. Wash contaminated surfaces with excess water where permitted.

SECTION 7: HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin, and clothing. Avoid generating dust. Keep away from heat, ignition sources, clothing, and combustible material. Do not mix with incompatible materials. Wash after handling.

Storage: Keep tightly closed in a cool, dry, well-ventilated place away from sunlight, heat, moisture, combustible material, and incompatibles. Keep in original container.

Compatible Packaging: Stainless steel, aluminum, polyethylene, polypropylene, or fiber with polyethylene coating.

Incompatibles: Combustible and organic materials, reducing agents, strong acids, strong bases, metals, oxidizing agents, water/moisture, and steel.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: No component with an established occupational exposure limit was identified in the source SDS.

Engineering Controls: Provide adequate ventilation and local exhaust where dust is generated. Handle according to good industrial hygiene practice.

Eye / Face Protection: Chemical splash goggles and face shield. Use equipment approved under appropriate standards.

Hand / Body Protection: Wear compatible protective gloves and clothing. Inspect gloves before use and follow the manufacturer's breakthrough-time guidance.

Respiratory Protection: When controls are insufficient or dust exposure is significant, use a NIOSH-approved particulate respirator selected under a respiratory-protection program. For high or unknown concentrations, use supplied air.

Hygiene: Wash hands before breaks and after work. Do not eat, drink, or smoke while handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Property	Value
Physical state / appearance	Crystalline solid; white powder	Odor / threshold	Not determined
pH	10.4–10.6 (140 g/L, 20°C)	Melting / freezing point	No data available
Boiling range	No data available	Flash point	Not applicable
Evaporation rate	Not determined	Flammability	Not combustible
Vapor pressure / density	Not applicable	Relative density	2.16 at 20.4°C
Bulk density	59–75 lb/ft ³	Water solubility	140 g/L at 20°C
Decomposition temperature	>75°C	Autoignition	Not applicable
Explosive properties	Not classified	Oxidizing properties	May intensify fire; oxidizer

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Promotes combustion; substance has a basic reaction.

Chemical Stability: Unstable on exposure to heat and moisture.

Hazardous Reactions: Decomposes slowly with oxidation and increased fire or explosion risk; water and elevated temperature accelerate decomposition.

Conditions to Avoid: Moisture, direct sunlight, flames, heat, dust generation, and temperatures above 60°C / 140°F.

Incompatible Materials: Combustible and organic materials, oxidizing agents, strong reducing agents, strong acids, strong bases, metals, water/moisture, and steel.

Decomposition Products: Oxidizing decomposition products; combustion may form carbon monoxide and carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes: Eye contact, inhalation of dust, skin contact, and ingestion.

Acute Oral Toxicity: Harmful if swallowed. Sodium percarbonate oral LD50: 1,034 mg/kg (rat).

Dermal Toxicity: LD50 >2,000 mg/kg (rabbit).

Eye Damage: Causes serious eye damage; inflammation and tissue corrosion may occur.

Skin Effects: Source data describe mild skin irritation; the product is not classified for skin corrosion/irritation.

Inhalation: Dust may cause coughing, dry or sore throat, nasal irritation, and shortness of breath.

Carcinogenicity: No component at 0.1% or more is identified by IARC, NTP, ACGIH, or OSHA as a probable, possible, or confirmed human carcinogen.

Other Symptoms: Headache, nausea, and vomiting may occur. Chronic-effect data are not established in the source SDS.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Harmful to fish and toxic to aquatic invertebrates; pH shift may contribute to effects.

Fish: LC50 70.7 mg/L, 96 h, Pimephales promelas.

Crustacea: EC50 4.9 mg/L, 48 h, Daphnia pulex.

Persistence / Degradability: Not applicable; hydrolyzes in water.

Bioaccumulation: Not bioaccumulative.

Mobility: Low potential for adsorption in soil.

Other Effects: An environmental hazard cannot be excluded if mishandled or improperly disposed. Avoid uncontrolled release.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment: Do not mix different waste streams where this could create a reaction or interfere with treatment. Use a licensed waste service. Dispose under applicable federal, state, and local requirements.

Packaging: Dispose of contaminated packaging under applicable regulations.

California Waste Status: The source SDS identifies sodium percarbonate waste as ignitable; actual waste classification depends on its condition and applicable rules.

SECTION 14: TRANSPORT INFORMATION

Mode	UN No.	Proper Shipping Name	Class	Packing Group / Label
DOT	UN3378	Sodium Carbonate Peroxyhydrate	5.1	II / Oxidizer
IATA	UN3378	Sodium Carbonate Peroxyhydrate	5.1	II / Oxidizer
IMDG	UN3378	Sodium Carbonate Peroxyhydrate	5.1	II / Oxidizer

Shipping Note: Classification above is based on the source SDS. Consult current carrier rules and shipping papers for packaging, quantity limits, exceptions, and special circumstances. Amazon eligibility and FBA acceptance are separate determinations made by Amazon.

SECTION 15: REGULATORY INFORMATION

TSCA: Listed; active status in the source SDS.

SARA 313: No listed components at reportable concentrations in the source SDS.

SARA 311/312: Acute health hazard: Yes. Chronic health hazard: No. Reactive hazard: Yes. Sudden pressure release: No. The source SDS lists fire hazard as No, while GHS classifies the material as an oxidizer; it is not itself combustible but may intensify fire.

Clean Water Act: No listed regulated pollutant identified in the source SDS.

California Proposition 65: No listed chemicals identified in the source SDS.

State Right-to-Know: Sodium percarbonate is identified for Pennsylvania and New Jersey.

Regulatory inventories and reporting duties should be confirmed for the actual formulation, quantity, and jurisdiction.

SECTION 16: OTHER INFORMATION

Rating System	Health	Flammability	Instability / Physical	Special
NFPA	2	0	1	—
HMIS	2	0	1	PPE not determined

Supplier Source Date: 05-Jun-2023

Crystal Clear Lab Preparation Date: 31-Aug-2026

Version: 1.0

Revision Note: Reissued under Crystal Clear Lab identity and formatting. Added generic consumer-use synonyms, laundry-booster use, and the requested CPSC/OSHA consumer-labeling notice. Corrected the source's inconsistent physical-state entry and aligned hazard statements with its listed GHS classifications. Official OSHA GHS03, GHS05, and GHS07 pictogram image files embedded without modification.

Abbreviations: CPSC — Consumer Product Safety Commission; OSHA — Occupational Safety and Health Administration; DOT — Department of Transportation; IATA — International Air Transport Association; IMDG — International Maritime Dangerous Goods; GHS — Globally Harmonized System; CAS — Chemical Abstracts Service; LD50 — median lethal dose; LC50 — median lethal concentration; EC50 — median effective concentration.

Disclaimer

This SDS is based on information believed accurate as of the preparation date and is guidance for safe handling, use, storage, transportation, disposal, and release. It is not a warranty or product specification. It applies only to the material described and may not apply when combined with other materials or used in another process. The responsible supplier must confirm that the document matches the actual composition, manufacturing specification, packaging, labeling, and intended uses before distribution.

End of Safety Data Sheet