

Safety Data Sheet

SDS# 0014
Soda Ash Dense



Crystal Clear Lab™

Soda Ash Dense - Pool & Spa pH Increaser

SECTION 1: IDENTIFICATION

Product Identifier: Soda Ash Dense - Pool & Spa pH Increaser

Chemical Name: Sodium carbonate

Synonyms: Soda ash dense; Sodium carbonate; Carbonic acid disodium salt

CAS Number: 497-19-8

EC Number: 207-838-8

Index Number: 011-005-00-2

SDS Number: CCL_SDS0014

Manufacturer: Crystal Clear Lab

Address: 13854 C Plaza, Omaha, NE 68144

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

Recommended Use: Pool and spa pH increaser; industrial uses.

Restrictions on Use: Use only as directed. Keep away from food, beverages, and animal feed.

SECTION 2: HAZARD IDENTIFICATION

GHS Classification: Serious Eye Damage / Eye Irritation - Category 2A.

Official OSHA pictogram:



Signal Word: WARNING

Hazard Statement: H319 - Causes serious eye irritation.

Precautionary Statements: P280 - Wear eye protection/face protection. P264 - Wash thoroughly after handling. P305+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.

Other Hazards: No other hazards not otherwise classified identified. 0% unknown acute toxicity. PBT and vPvB assessments: Not applicable.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	EC No.	Index No.
Sodium Carbonate	497-19-8	207-838-8	011-005-00-2

SECTION 4: FIRST-AID MEASURES

General Information: No special measures required.

Inhalation: Supply fresh air. Consult a doctor if complaints occur.

Skin Contact: Brush off loose particles. Immediately rinse with water. If irritation continues, consult a doctor.

Eye Contact: Remove contact lenses if worn. Rinse the opened eye under running water for several minutes. If symptoms persist, consult a doctor.

Ingestion: Rinse mouth and drink plenty of water. Do not induce vomiting. Immediately call for medical help.

Important Symptoms and Effects: Slight irritation of skin and mucous membranes; eye irritation; gastric or intestinal disorders if ingested; coughing.

Immediate Medical Attention: No further relevant information available.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use firefighting measures appropriate to the surrounding environment.

Unsuitable Extinguishing Media: None identified.

Special Hazards: Formation of toxic gases is possible during heating or fire.

Protective Equipment: Wear self-contained respiratory protection and a fully protective suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use respiratory protection against fumes, dust, or aerosol. Ensure adequate ventilation. Wear protective equipment and keep unprotected persons away.

Environmental Precautions: Do not allow entry into sewers, surface water, or groundwater. Damp down dust with water spray where appropriate.

Containment and Cleaning: Pick up mechanically. Place in suitable receptacles for recovery or disposal. Dispose of contaminated material under Section 13.

References: See Sections 7, 8, and 13.

SECTION 7: HANDLING AND STORAGE

Safe Handling: Prevent dust formation. Regularly remove unavoidable dust deposits.

Fire / Explosion Protection: Product is not flammable.

Storage: Protect from humidity and water. Store away from foodstuffs and acids. Keep in cool, dry conditions in well-sealed receptacles.

Specific End Uses: No further relevant information available beyond the uses in Section 1.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits: No relevant quantities of materials with critical workplace monitoring values are identified in the source SDS.

General Hygiene: Follow usual chemical-handling precautions. Keep away from food, beverages, and feed. Avoid eye contact and close or prolonged skin contact. Do not inhale dust, smoke, or mist. Remove contaminated clothing. Wash hands before breaks and after work.

Engineering Controls: Use adequate ventilation and dust control.

Respiratory Protection: Not required under normal conditions. Use suitable respiratory protection if ventilation is insufficient or during significant spills.

Hand Protection: Use impermeable, chemical-resistant protective gloves. Select material and breakthrough time based on the glove manufacturer's data.

Eye Protection: Safety glasses; use face protection if dust exposure may be significant.

Body Protection: Not required under normal conditions; additional protection may be needed for spills.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Property	Value
Form	Granulate	Color	White
Odor	Odorless	Odor Threshold	Not determined
pH at 20°C	11.3-11.6 (1% solution)	Melting Point / Range	851.1°C (1564°F)
Boiling Point / Range	Undetermined	Flash Point	Not applicable
Flammability	Not flammable	Auto-Ignition	Not determined
Explosion Hazard / Limits	No explosion hazard; limits not determined	Vapor Pressure	Not applicable
Density at 20°C	2.53 g/cm ³	Relative / Vapor Density	Not determined / Not applicable
Evaporation Rate	Not applicable	Water Solubility	Soluble
Partition Coefficient	Not determined	Dynamic / Kinematic Viscosity	Not applicable
Decomposition Temperature	Not determined	Other Information	No further relevant information

SECTION 10: STABILITY AND REACTIVITY

Reactivity: See hazardous-reaction information below.

Chemical Stability: No decomposition when used and stored according to specifications.

Hazardous Reactions: Strong exothermic reaction with acids. Reacts with halogenated compounds.

Conditions to Avoid: Avoid acids.

Incompatible Materials: Acids and halogenated compounds; no further relevant information available.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Sodium carbonate oral LD50: 4,090 mg/kg (rat).

Skin: Slight irritant effect on skin and mucous membranes.

Eyes: Irritating effect; causes serious eye irritation.

Sensitization: No sensitizing effects known.

Carcinogenicity: Not listed by IARC, NTP, or OSHA as a carcinogen.

Probable Routes of Exposure: Inhalation; eye contact; skin contact.

Repeated Dose Toxicity: No further relevant information available.

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity / Persistence / Bioaccumulation / Mobility: No further relevant information available.

Ecological Effects: After neutralization, harmful action may be reduced.

Water Hazard: Water hazard class 1: slightly hazardous for water. Do not allow undiluted product or large quantities to reach groundwater, watercourses, or sewage systems. Large releases may raise pH and harm aquatic organisms.

PBT / vPvB: Not applicable.

Other Adverse Effects: No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment: Small amounts may be diluted with plenty of water and washed away where permitted. Dispose of larger amounts according to local authority requirements.

User Responsibility: Dispose of unused material, residues, and containers under applicable federal, state, and local laws for hazardous and nonhazardous waste. Treat residual materials as hazardous.

Uncleaned Packaging: Dispose according to official regulations.

SECTION 14: TRANSPORT INFORMATION

Transport Item	Classification
UN Number - DOT/ADR/IMDG/IATA	Not regulated
Proper Shipping Name	Not regulated
Transport Hazard Class	Not regulated
Packing Group	Not regulated
Marine Pollutant	No
Special Precautions	Not applicable
Bulk Transport under MARPOL / IBC	Not applicable

SECTION 15: REGULATORY INFORMATION

United States: SARA Section 355 - Not listed. SARA Section 313 - Not listed. TSCA - Listed.

California Proposition 65: Not listed for cancer, female or male reproductive toxicity, or developmental toxicity.

Other Carcinogenic Listings: EPA, IARC, TLV, and NIOSH-Ca - Not listed.

The source SDS states that the product was classified under applicable hazard criteria and contains the required information. A chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

Original Source Revision Date: 22-Feb-2023

Crystal Clear Lab Revision Date: 31-Aug-2026

Revision Note: Reissued under Crystal Clear Lab identity and formatting; supplier branding, product number, contacts, scan metadata, and source-document artifacts removed. Official OSHA GHS07 pictogram embedded without modification.

Abbreviations: ADR - European Agreement concerning International Carriage of Dangerous Goods by Road; IMDG - International Maritime Dangerous Goods Code; DOT - US Department of Transportation; IATA - International Air Transport Association; GHS - Globally Harmonized System; ACGIH - American Conference of Governmental Industrial Hygienists; CAS - Chemical Abstracts Service; PBT - Persistent, Bioaccumulative and Toxic; vPvB - very Persistent and very Bioaccumulative; LD50 - median lethal dose.

Disclaimer

This information is based on present knowledge and is intended as guidance for safe handling, use, storage, transportation, and disposal. It does not guarantee specific product features or establish a contractual relationship. Users are responsible for determining suitability and complying with applicable laws and regulations.

End of Safety Data Sheet