

Sodium Carbonate

Material Safety Data Sheet

Product Information

Brand Name Aqualife Simple Science
Product Name Sodium Carbonate
Chemical Name Sodium Carbonate
Molecular Formula Na_2CO_3
Molecular Weight 106

Material Uses: N/A

NFPA (704) Rating Health: 2 Flammability: 0
Reactivity: 0 Special: 0

Composition & Information on Ingredients

CAS Number 497-19-8
% by Weight 98

Hazards Identification

White, odorless, granular solid. Product is non-combustible. Reacts with acids to release carbon dioxide gas and heat. May irritate skin and eyes. Dusts may irritate respiratory tract. Not expected to be toxic to the environment, nor to aquatic organisms. Avoid simultaneous exposure to soda ash and lime dust. In the presence of moisture the two materials combine to form caustic soda (NaOH), which may cause burns.

First Aid Measures

Skin: Flush thoroughly with running water for at least 15 minutes. Get medical attention.
Eyes: Rinse with flowing water for at least 15 minutes. Get medical attention.
Inhalation Remove to fresh air. Get medical attention for breathing difficulty.
Ingestion Get medical aid. Wash mouth out with water.

Fire & Explosion Data

Extinguishing Media Not combustible, use extinguishing method suitable for surrounding fire.
Fire/Explosion Hazards Not applicable.
Hazardous Combustion Products: Carbon dioxide.

Accidental Release Measures

Leak/Spill Sweep up and remove to an appropriated disposal container. Wash area with soap and water.
Containment Prevent large quantities of this product from contacting vegetation or waterways; large spills could kill vegetation and fish.
Disposal Dispose of in accordance with local, state and federal regulations. Presents no health hazards.

Handling and Storage

Handling Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin and clothing. Avoid ingestion and inhalation.
Storage Keep containers closed. Store in a cool, dry place.

Exposure Controls/Personal Protection

Engineering Controls Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use process

enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Personal Protection Eyes and Face: Clothing: Gloves, coveralls, apron, boots as necessary to prevent skin contact as needed.

Respiratory: Whenever dust in the worker's breathing zone cannot be controlled with ventilation or other engineering means, workers should wear respirators or dust masks approved by NIOSH/MSHA, EU CEN or comparable certification organization to protect them against airborne dust.

Physical & Chemical Properties

Physical State & Appearance White, odorless, granular solid. Product is non-combustible. Reacts with acids to release carbon dioxide gas and heat.

Stability & Reactivity Data

Stability Stable under normal temperatures and pressures.

Incompatibilities Strong oxidizing agents, acids.

Conditions to Avoid Contact with acids will release carbon dioxide, heat. Contact with lime dust in the presence of moisture can produce corrosive sodium hydroxide.

Hazardous Decomposition Carbon dioxide released.

Hazardous Polymerization Has not been reported.

Disposal Considerations

Disposal Dispose of in a manner consistent with federal, state and local regulations.

Transport Information

DOT This material is not regulated hazardous material.

Other Regulatory Information & Classifications

Section 302 Extremely Hazardous Substances: 40CFR355, Appendix A Not listed
Section 311 Hazard Class 40CFR370 Immediate (acute)
Section 313 Reportable Ingredients 40CFR372 Not listed

Manufacturer/Importer/Supplier/Distributor Information

Company Name: Aquarium Life Support Systems
1737 Louisville Dr
Knoxville, TN 37921 USA

Telephone Number: 865/588-0108
Fax Number: 865/588-1976
Website: www.aqualifesupport.com
E-mail: cs@aqualifesupport.com

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Aquarium Life Support Systems
www.aqualifesupport.com
www.aqualiferx.com