

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name: Spa Defoamer

Alternate Product: Defoam

Chemical Formula: NaCl, Na₂CO₃

General Use: Used to break down and dissipate foam in spa and pool water

Manufacturer:

QUALCO, INC.
225 Passaic Street
Passaic, NJ 07936

Emergency Telephone Numbers:

800-424-9300 (CHEMTREC – US)
973-473-1222 (Qualco, Inc.)

2. Hazards Identification

Emergency Overview:

White odorless, granular solid

Product is non-combustible

Classified as non-hazardous

Eye irritant. Inhalation of this product may irritate nose, throat, and lungs. Prolonged contact may irritate skin. Although low in toxicity, ingestion may cause nausea, vomiting, stomachache, and diarrhea (LD50 (rat) = 2.8 gm/kg).

Not expected to be toxic to the environment, nor to aquatic organisms.

This product is considered non-hazardous.

Potential Health Effects:

Mild eye irritant.

Signal Word: Warning

Precautionary Statement:

Observe good personal hygiene practices. Wash hands thoroughly after handling. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.



3. Composition & Information on Ingredients

Chemical Name	CAS #	Wt. %
Sodium Chloride	7647-14-5	>80%
Sodium Carbonate	497-19-8	>15%
Anti-Foam	N/A-Trade Secret	>2%

This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

4. First Aid Measures

Eyes: Immediately flush with water for at least 15 minutes, lifting the upper and lower eyelids intermittently. See a medical doctor or ophthalmologist as necessary.

Skin: Wash with plenty of soap and water. Remove and wash contaminated clothing.

Ingestion: Give one or two glasses of water if patient is alert and able to swallow. Get medical attention if symptoms occur.

Inhalation: Remove to fresh air. If breathing is difficult or discomfort occurs and persists, obtain medical attention.

Notes to Medical Doctor: While internal toxicity is low, irritant effects of high concentrations may produce corneal opacities, and vesicular skin reactions in humans with abraded skin only. Treatment is symptomatic and supportive.

5. Fire Fighting Measures

Extinguishing Media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂). Do not use water jet as an extinguisher.

Fire/Explosion Hazards: Not applicable

Fire Fighting Procedures: Use water spray to cool unopened containers. Use standard fire fighting procedures and consider the hazards of other involved materials. .

Flammable Limits: This product is not flammable or combustible.

Hazardous Combustion Products: None known

Sensitivity to Impact: None

Sensitivity to Static Discharge: None

6. Accidental Release Measures

Personal Precautions: Keep unnecessary personnel away. Avoid inhalation of dust from the spilled material. Use a NIOSH/MSHA approved respirator. If there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of SDS.

Containment: If sweeping of a contaminated area is necessary, use a dust suppressant agent which does not react with the product. Collect dust using a vacuum cleaner equipped with HEPA filter. Minimize dust generation and accumulation. Avoid release to the environment. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

Clean-up: Prevent dust cloud formation. Scoop solid spill into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

Notification Requirements: Federal regulation do not require notification for spills of this product. State and local regulations may contain different requirements; consult local authorities.

7. Handling and Storage

Handling: Avoid raising dust. Keep away from open flames/excessive heat. Observe normal hygiene standards. Keep container tightly closed when not in use.

Storage: Store in a cool, dry, well ventilated area, away from heat and open flame. Store in original tightly closed container. Store away from incompatible materials (see section 10 of SDS). Avoid humid or wet conditions as product may cake from moisture.

8. Exposure Controls / Personal Protection

Occupational Exposure Limits: No exposure limits noted for ingredients

Biological Limit Values: No biological exposure limits noted for the ingredient(s).

Appropriate Engineering Controls: Avoid raising dust. Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing.

Personal Protective Equipment:

Eyes and Face: For dusty or misty conditions, or when handling solutions where there is reasonable probability of eye contact, wear chemical safety goggles and hard hat. Under these conditions, do not wear contact lenses. Otherwise, appropriate eye and face protection equipment (ANSI Z87 approved) should be selected for the particular use intended for this material. Safety glasses with side shields are recommended.

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.

Hands, Arms, and Body: Wear long-sleeve shirt and trousers, and impervious gloves for routine product use. Cotton gloves are sufficient for dry product. Wear impervious gloves when handling solutions.

Additional Exposure Guidelines: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and Chemical Properties

Physical State: Solid granular

Odor: Slight odor

Appearance and Color: White, granular solid

Auto ignition Temperature: Not applicable

Boiling Point: No data available

Melting Point: No data available

Coefficient of Oil/Water: Not applicable

Density/Weight per Volume: No data available

Evaporation Rate: Not applicable

Flash Point: Not flammable

Flammability: Not flammable

Melting Point: 854°C (1569°F)

Odor Threshold: Not applicable

Oxidizing Properties: Not Applicable

Percent Volatile: Not applicable
1% Solution pH: 4 - 9
Solubility In Water: 26.4% maximum
Specific Gravity: No data available
Vapor Density: Not applicable
Vapor Pressure: Not applicable
Viscosity: Not applicable

10. Stability and Reactivity

Conditions To Avoid: Contact with incompatible materials. Avoid dispersal of dust in the air. (clearing dust surfaces with compressed air.)
Stability: Stable under normal conditions.
Polymerization: Will Not Occur
Incompatible Materials: Reacts with acids with release of large volumes of carbon dioxide gas and heat
Hazardous Decomposition Products: May evolve chlorine gas when in contact with strong acids.
Materials To Avoid: Avoid contact with strong acids. Becomes corrosive to metals when wet.

11. Toxicological Information

Eye Effects: Dust in eyes will cause irritation.
Skin Contact: Prolonged or repeated skin contact may cause irritation.
Oral LD₅₀: 3,000 mg/kg (rat)
4,000 mg/kg (mouse)
Other LD₅₀: 2,602 mg/kg (mouse)
Carcinogenicity: No data available
Skin Corrosion/Irritation: Prolonged skin contact may cause temporary irritation.
Serious Eye Damage/Eye irritation: Dust in eyes may cause irritation.
Respiratory Sensitization: Not available.
Skin Sensitization: This product is not expected to cause skin sensitization.
Germ Cell Mutagenicity: No data available.
Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive Toxicity: This product is not expected to cause reproductive or developmental effects.

12. Ecological Information

Ecotoxicity: This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results
Sodium Chloride (CAS #7647-14-5)		
Aquatic:		
Crustacea – EC50	Water Flea (daphnia magna)	340.7-469.2 mg/l 48 hours
Fish – LC50	Rainbow trout, Donaldson trout	4747 – 7824 mg/l, 96 hours

Sodium Carbonate (CAS #497-19-8)

Fish – LC50	Lepomis macrochirus	300 mg/l
Invertebrates – EC50	Ceriodaphnia sp	200 – 227 mg/l

13. Disposal Considerations

Disposal Method: Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Local Disposal Regulations: Dispose in accordance with all applicable regulations.

Hazardous Waste Code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Wastes from Residues/Unused Products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residue. This material and its container must be disposed of in a safe manner (see Disposal Instructions).

Contaminated Packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after the container is emptied.

14. Transportation Considerations

US Dept. Of Transportation (DOT)

- Proper Shipping Name:** Not Regulated
- Primary Hazard Class / Division:** Not Applicable
- UN / NA Number:** None
- Label(s), Placard(s), Marking(s):** Not Applicable
- Additional Information:**
- Hazardous Substance / RQ:** Not Applicable
- 49 STCC Number:** Not Applicable
- International Maritime Dangerous Goods:** Not regulated

15. Regulatory Information

United States

SARA Title III (Superfund Amendments and Reauthorization Act)

Section 302 Extremely Hazardous Substances (40 CFR 355, Appendix A): Not Listed

Section 311 Hazard Categories (40 CFR 370): Non-hazardous

Section 312 Threshold Planning Quantity (40 CFR 370): The Threshold Planning Quantity (TPQ) for this product, if treated as a mixture, is 10,000 lbs; however, this product contains the following ingredients with a TPQ of less than 10,000 lbs.: None

Section 313 Reportable Ingredients (40 CFR 372): Not listed

CERCLA (Comprehensive Environmental Response Compensation and Liability Act)

CERCLA Designation and Reportable Quantities (RQ) (40CFR 302.4): Not listed

TSCA (Toxic Substance Control Act)

TSCA Inventory Status (40 CFR 261): Not Listed

RCRA Identification of Hazardous Waste (40 CFR 261): Waste Number – refer to Section 13 “Disposal Considerations” for RCRA status

State Regulations: This product does not contain any components that are regulated under California Proposition 65.

Comments:

Clean Water Act (CWA) – Section 301/311: Not listed as a hazardous pollutant (40 CFR 116), nor as a toxic pollutant (40 CFR 401.15).

Clean Air Act (CAA) – Section 112: Not regulated under the chemical accident prevention provisions (40 CFR 68).

16. Other Information

HMIS

Health: 1

Flammability: 0

Physical Hazard: 0

Personal Protection (PPE)*: A

*Protection = A (Safety glasses)

HMIS: Hazardous Material Identification System

Degree of Hazard Code:

4 = Severe

3 = Serious

2 = Moderate

1 = Slight

0 = Minimal

NFPA

Health: 1

Flammability: 0

Reactivity: 0

Special: None

No Special Requirements

NFPA: National Fire Protection Association

Degree of Hazard Code:

4 = Extreme

3 = High

2 = Moderate

1 = Slight

0 = Insignificant

Disclaimer: All statements, technical information and recommendations contained herein are, the best of our knowledge, reliable and accurate, however no warranty, either expressed or implied is made with respect thereto, nor will any liability be assumed for damages resultant from the use of the material described.

The safety data sheet only constitutes a guideline for the safe handling, use, storage, transport and disposal of the substance/mixture herein described. Compliance with the instructions in this safety data sheet does not

release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances.

It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations. It is also the responsibility of the user to maintain a safe workplace. The user should consider the health hazards and safety information provided herein as a guide and should take the necessary steps to instruct employees and to develop work practice procedures to ensure a safe work environment.

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