



SAFETY DATA SHEET

1. Product and Company Identification

Product Name Dazzle™ Chlorine & Bromine Neutralizer
CAS # 7757-83-7
Product use Removal of excess chlorine or bromine from pools and hot tubs

Supplier Dazzle c/o Backyard Brands Inc.
BACKYARD BRANDS • 132 Denison Street
MARKHAM, ONTARIO L3R 1B6, CANADA • 1-866-875-0012

24 HR. EMERGENCY TELEPHONE NUMBERS
Poison Control Center (Medical): (877) 800 - 5553
CANUTEC (Canadian Transportation): (613) 996 - 6666
CHEMTREC (US Transportation): (800) 424 - 9300

2. Hazards Identification

Emergency Overview: Odourless, white to pale yellow crystals or powder which may irritate the skin. May cause irritation and/or burns of the eyes. Harmful if swallowed or inhaled. May cause severe and possibly fatal allergic reactions if swallowed by some asthmatics and other 'sulfite-sensitive' individuals. Reacts with acids to form toxic and irritating sulphur dioxide gas.

3. Composition / Information on Ingredients

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Weight %</u>
Sodium sulfite	7757-83-7	97
Sodium sulfate	7757-82-6	<3

OSHA Hazard Communication Standard: *This product is considered hazardous under the OSHA Communication Standard.*

4. First Aid Measures

Skin: Immediately wash skin with plenty of soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation persists.

Eyes: Flush eyes immediately with water for at least 15 minutes. Remove contact lenses if present after the first 5 minutes if you can do so easily and continue flushing. Get immediate medical attention.

Inhalation: Promptly remove to fresh air. Get immediate medical attention if signs of suffocation, irritation or other symptoms develop.

Ingestion: If conscious, immediately rinse mouth with water and give 1 glass of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get immediate medical attention.

Advice to physician: Treat symptomatically. Note potential for anaphylactic shock with allergic individuals.

5. Fire Fighting Measures

Extinguishing Media: Material is not flammable. Use extinguishing media appropriate for material in surrounding fire.

Unusual Fire and Explosion Hazards: Releases toxic and irritating sulfur oxides at fire temperatures.

Special Fire Fighting Precautions/Instructions: Wear NIOSH-approved self-contained breathing apparatus. Use water-spray to keep containers cool, and to knock down vapours or gases.

6. Accidental Release Measures

In case of spill or other release: (See section 8 for recommended personal protective equipment.) Promptly sweep up material with minimum dusting and shovel into an empty container with a cover. Rinse spill area with plenty of water. Provide ventilation to clear sulfur dioxide fumes which may be generated by the sodium sulfite component.

Spills and releases may have to be reported to Federal and/or local authorities. See Section 15 regarding reporting requirements.

7. Handling and Storage

Normal Handling: (See section 8 for recommended personal protective equipment.)

Avoid contact with skin, eyes and clothing. Do not breathe dust. Do not eat or drink in the work area. Use normal personal hygiene and housekeeping. Keep away from acids and oxidizing agents.

Storage Recommendations: Store in a cool, dry well-ventilated area away from acid and oxidizing agents.

8. Exposure Controls / Personal Protection

Engineering Controls: Local exhaust if dusty conditions exist or if there is a release of sulfur dioxide gas. Do not use in unventilated spaces.

Personal Protective Equipment:

Skin Protection: For handling dry material, wear rubber gloves and full work clothing, including long-sleeved shirts and trousers. When handling solutions and there is prolonged or repeated contact, wear impervious gloves, clothing and boots.

Eye Protection: Wear chemical safety goggles.

Respiratory Protection: Where required, use a NIOSH-approved respirator for dust, mist and/or sulfur dioxide gas, as conditions indicate. Some exposure may require a NIOSH-approved self-contained breathing apparatus or supplied-air respirator. Equipment selection depends on contaminant type and concentration. Select in accordance with 29 CFR 1910.134 and good industrial hygiene practice.

Additional Recommendations: Eyewash and safety shower are recommended.

Exposure Guidelines

<u>Ingredient Name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER LIMIT</u>
No ingredients listed in this section.	----	----	----

Other Exposure Limits for Potential Decomposition Products:

Sulfur dioxide: OSHA TWA = 5 ppm
ACGIH STEL = 0.25 ppm

9. Physical & Chemical Properties

Appearance: White to pale yellow crystals or powder.

Physical State: Solid.

Molecular Weight: 126.04.

Chemical Formula: Na₂SO₃.

Odour: Odourless.

Specific Gravity (water = 1.0): 2.63.
Solubility in water (weight %): 17% at 50 °F; 28% at 92 °F.
pH: 5% solution – 9.8.
Boiling Point: Not applicable.
Melting Point: Decomposes at 1652 °F.
Vapour Pressure: Not applicable.
Vapour Density (air = 1.0): Not applicable.
Evaporation Rate: Not applicable.
Compared to: Not applicable.
% Volatiles: Not applicable.
Flash Point: Not flammable.
Flash Point Method: Not applicable.
Autoignition Temperature: Not applicable.
Upper Flame Limit (volume % in air): Not applicable.
Lower Flame Limit (volume % in air): Not applicable.
Flame Propagation Rate (solids): Not applicable.
OSHA Flammability Class: Not applicable.

10. Chemical Stability & Reactivity Information

Normally Stable: (Conditions to avoid): Normally Stable. Avoid high temperature (at decomposition, 1652 °F); yield sulfur dioxide gas and hazardous residue.

Incompatibilities:

Strong oxidizers: cause vigorous exothermic reactions.

Acids: releases sulfur dioxide gas.

Hazardous Decomposition Products: Sulfur dioxide and sodium sulfite residue.

Sodium sulfite is flammable, a dangerous fire risk, a strong irritant to skin and tissue, and in incompatible with acids.

Hazardous Polymerization: Will not occur.

11. Toxicological Information

Potential Health Hazards

Skin: Dust or mist may cause skin irritation from prolonged contact. Solutions will cause skin irritation.

Eyes: Dust or mist may irritate or burn the eyes. Solutions will cause irritation or burns to the eyes.

Inhalation: Inhalation of dust or mist can irritate the respiratory tract. May cause severe or deadly allergic reactions in some asthmatics and sulfite sensitive individuals. Possible

signs and symptoms of allergic reactions include bronchoconstriction, sweating, flushing, hives, rapid heart rate, decreased blood pressure and anaphylaxis.

Ingestion: Ingestion may irritate the gastrointestinal tract. Estimated to be moderately toxic. May cause severe allergic reactions in some asthmatics. Large doses may cause violent colic and diarrhea, circulatory disturbances, central nervous system depression, and even death.

Delayed Effects: None known.

Ingredients found on one of these three OSHA designed carcinogen lists are listed below.

<u>Ingredient Name</u>	<u>NTP STATUS</u>	<u>IARC STATUS</u>	<u>OSHA LIST</u>
No ingredients listed in this section	----	----	----

Toxicity Data:

Immediate (Acute) Effects:

Sodium sulfite – LD₅₀ (oral, mouse) = 820 mg/kg. LD₅₀ (oral, rat) = 2610-6400 mg/kg;
LC₅₀ (inhalation, rat) >5.5 mg/L/4 hr.; LC₅₀ (inhalation, rat) >22 mg/L/4 hr.
Sodium sulfate – LD₅₀ (oral, rat) > 10,000 mg/kg.

Delayed (Subchronic and Chronic) Effects:

Sodium sulfite has been demonstrated to be mutagenic in microbial systems; however, it is not mutagenic in studies involving insects and is not considered to present a mutagenic threat to multicell organisms.

Other Data: None

12. Ecological Information

The following ecotoxicity data is available for Sodium Sulfite:

Daphnia magna LC50 48 hrs	440 mg/L
Western Mosquitofish 96 hrs LC50	460 mg/L
Biological Oxygen Demand (BOD)	0.12 lb/lb, instantaneous

The following ecotoxicity information is available for Sodium Sulfate:

Daphnia magna LC50 48hrs	2,564 mg/L
Western Mosquitofish 96 hrs LC50	3,710 mg/L

Not classified as hazardous to aquatic organisms.

13. Disposal Considerations

RCRA

Is the unused product a RCRA hazardous waste is discarded? No
If yes, the RCRA ID number is: Not applicable.

Other Disposal Considerations: Dispose of in accordance with applicable Federal, State/Provincial and Local regulations.

The information offered in section 13 is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

14. Transport Information

US DOT HAZARD CLASS: Not regulated.
US DOT ID NUMBER: Not applicable.
PROPER SHIPPING NAME: Not applicable.

CANADA TRANSPORT OF DANGEROUS GOODS: Not regulated.
PROPER SHIPPING NAME: N/A
PRIMARY HAZARD CLASS/DIVISION: N/A
UN/NA NUMBER: N/A
PACKING GROUP: N/A

15. Regulatory Information

Toxic Substances Control Act (TSCA)

TSCA Inventory Status: All components are listed on TSCA Inventory of Chemical Substances.

Other TSCA Issues: None.

CANADA:

WHMIS Classification (Canada): D2B

DOMESTIC SUBSTANCE LIST (INVENTORY): Product ingredients are listed on DSL.

SARA Title III/CERCLA

“Reportable Quantities” (RQs) and/or “Threshold Planning Quantities” (TPQs) exist for the following ingredients.

<u>Ingredient Name</u>	<u>SARA/CERCLA RO (lb)</u>	<u>SARA EHS TPO (lb)</u>
No ingredients listed in this section.	----	----

Section 311 Hazardous Class: Acute Health

SARA 313 Toxic Chemicals: The following ingredients are SARA 313 “Toxic Chemicals” and may be subject to annual reporting requirements. CAS numbers and weight and percents are found in Section 2.

<u>Ingredient Name</u>	<u>Comment</u>
No ingredients listed in this section.	----

State Right-To-Know

In addition to the ingredients found in section 2, the following are listed for state right-to-know purposes.

<u>Ingredient Name</u>	<u>Weight %</u>	<u>Comment</u>
No ingredients listed in this section.	----	----

Additional Regulatory Information:
None

16. Other Information

COMMENTS: The contents and format of this MSDS are in accordance with OSHA Hazard Communication Standard, National Fire Protection Association (NFPA), Hazardous Materials Identification System (HMIS), and Canada's Workplace Hazardous Information System (WHMIS) and Environmental Protection Agency (CEPA).

Disclaimer Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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Prepared by	Backyard Brands, 1-866-875-0012