

SAFETY DATA SHEET

Issue Date: 4/23/2024

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Superstratum Deodor Bomb

Company Information

Spring Bayou Corp
PO Box 13130
Ruston, LA 71273
Phone: (615) 235-7299
Email: orders@springbayou.co

For product information call: Spring Bayou Co.'s Customer Service Number
For emergencies only. Call CHEMTREC: 1-800-424-9300

Recommended use of the chemical and restrictions on use

Recommended use: Remediation of Mold, Bacteria, VOC odors
Restrictions on use: For industrial use only

2. HAZARDS IDENTIFICATION

Appearance White powdery substance

Physical state Solid

Classification

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 3
Serious eye damage/eye irritation	Category 2
Oxidizing Solids	Category 2

Signal Word

Danger

Hazard statements

Harmful if swallowed
Toxic in contact with skin
Causes serious eye irritation
May intensify fire; oxidizer



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Wear protective gloves/protective clothing
Wear respiratory protection
Keep away from heat

Prepared by EHS DEPARTMENT OF SPRING BAYOU CORP.

superstratum.

Keep/Store away from clothing/ combustible materials
Take any precaution to avoid mixing with combustibles
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

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 advice/attention

IF ON SKIN: Wash with plenty of water and soap
Call a POISON CENTER or doctor if you feel unwell
Take off immediately all contaminated clothing and wash it before reuse
IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell
Rinse mouth
In case of fire: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Citric Acid	79-92-9	60-80
Sodium Chlorite	7758-19-2	20-40

**If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret. **

4. FIRST AID MEASURES

First Aid Measures

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	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 advice/attention.
Inhalation	Remove to fresh air. If an individual is not breathing, administer CPR. If breathing is labored, seek medical attention.
Ingestion	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

Most important symptoms and effects

Symptoms Harmful if swallowed. Toxic in contact with skin. Causes serious eye irritation.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Sodium chlorite in the unactivated product is a strong oxidizer, and can support combustion in the absence of air. Chlorine dioxide, which may evolve from exposure of the unactivated product to water, is explosive in the gas phase at concentrations greater than 10% by volume. Do not allow chlorine dioxide gas to accumulate in confined spaces.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required.

Environmental precautions

Environmental precautions Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up DRY/UNACTIVATED PRODUCT: Place contents on pouch in a plastic container. Fill container with water to allow degradation/neutralization.
ACTIVATED PRODUCT: If spillage is heavily concentrated, dilute. Soak up spillage and dispose of according to local ordinance.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing and eye/face protection. Wear respiratory protection. Keep away from heat. Keep/Store away from clothing/./combustible materials. Take any precaution to avoid mixing with combustibles.

Conditions for safe storage, including any incompatibilities

Storage Conditions Observe all applicable regulations when storing this substance. Keep unactivated product in a cool, dry, ventilated area away from direct sunlight. Do not store with acids, chlorine and chlorine compounds, hypochlorites (bleach), organic solvents, sulfur and sulfite compounds, phosphorus, and combustible/flammable materials. Do not store in areas where sparking may occur.

Packaging Materials After envelope is spent, liquid product should be disposed of down designated disposal sink and flushed thoroughly with water. Throw away envelope. Ensure the micro-reactor used for air treatment or odor elimination is spent before discarding; see product label for total time to be emerged in water prior to discarding.

Incompatible Materials Avoid accidental contact of dry ingredients or activated product with acids, chlorine compounds, hypochlorites (bleach), sulfur and sulfite compounds, phosphorus, organic solvents, and combustible/flammable materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Appropriate engineering controls

Engineering Controls

General exhaust ventilation is sufficient for safe use of this product. Avoid breathing any vapors, mists or fumes generated by the inactivated and activated product. Safety shower and chemical eyewash facilities may be necessary if handling large quantities of dry ingredients.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Whether handling dry ingredients or activated product, approved safety goggles or face shield should be worn.

Skin and Body Protection

If handling dry ingredients in product, use appropriate hand protection. Gloves made of rubber, neoprene or other chemically impervious gloves may be suitable. Consult glove manufacturer.

Respiratory Protection

Where overexposure to chlorine dioxide may occur, use appropriate respiratory protection and follow OSHA requirements at 29 CFR 1910.134 and 29 CFR 1910.1000. A NIOSH-approved air-purifying respirator or a NIOSH approved canister/cartridge respirator rated for chlorine/acid gas or specified for chlorine dioxide may be appropriate.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Solid

Remarks • Method

Explosive Properties Not determined
Oxidizing Properties May intensify fire; oxidizer

Other Information

Activated product is a light green to yellow liquid with a faint chlorine smell

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions. Ingredients are oxidizers and may decompose if heated above 160°C, opened, or wetted.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Avoid storing product where it might become wet, or where the spilled contents of a damaged, unactivated pouch could dry to a crystalline salt or produce chlorine dioxide gas. Do not store where dry material may come into contact with sparking.

Incompatible Materials

Avoid accidental contact of dry ingredients or activated product with acids, chlorine compounds, hypochlorites (bleach), sulfur and sulfite compounds, phosphorus, organic solvents, and combustible/flammable materials.

Hazardous Decomposition Products

Decomposition can release oxygen that supports combustion and reduces effectiveness of suffocation-type extinguishing agents. Thermal decomposition products from incomplete combustion (pyrolysis) include carbon monoxide, carbon dioxide, and inorganic chlorine compounds

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Causes serious eye irritation.
Skin Contact Toxic in contact with skin.
Inhalation Do not inhale.
Ingestion Harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Chlorite 7758-19-2	= 165 mg/kg (Rat)	= 107.2 mg/kg (Rabbit)	= 230 mg/m ³ (Rat) 4 h

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Group 3 IARC components are "not classifiable as human carcinogens".

Chemical Name	ACGIH	IARC	NTP	OSHA
Sodium Chlorite 7758-19-2		Group 3		

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 487.00 mg/kg
ATEmix (dermal) 357.30 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

The 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.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Crustacea

Sodium Chlorite 7758-19-2	100 - 500: 96 h Brachydanio rerio mg/L LC50 static 100: 96 h Lepomis macrochirus mg/L LC50 static 100: 96 h Oncorhynchus mykiss mg/L LC50 static	0.026: 48 h Daphnia magna mg/L EC50 0.25 - 0.33: 48 h Daphnia magna mg/L EC50 Flow through 0.012 - 0.018: 48 h Daphnia magna mg/L EC50 Static
------------------------------	--	---

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Unactivated product should be disposed in accordance with all federal, state and local regulations. Used/activated product sachets are considered inert; consult with appropriate agencies to determine appropriate disposal methods.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Chemical Name	California Hazardous Waste Status
Sodium Chlorite 7758-19-2	Toxic Ignitable

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No UN1496
 Proper Shipping Name Sodium chlorite
 Hazard Class 5.1
 Packing Group II

IATA

UN/ID No UN1496
 Proper Shipping Name Sodium chlorite
 Hazard Class 5.1
 Packing Group II

IMDG

UN/ID No UN1496
 Proper Shipping Name Sodium chlorite
 Hazard Class 5.1
 Packing Group II

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Sodium Chlorite	X	X	X	Present	X	Present	X	X

Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*
- AICS - Australian Inventory of Chemical Substances*

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium Chlorite 7758-19-2	X	X	X

16. OTHER INFORMATION

Hazard Rating System

NEPA 704*	HMIS**	Key:
Health: 4	Health: 4	0 = Insignificant
Flammability: 0	Flammability: 0	1 = Slight 2 = Moderate
Reactivity: 2	Reactivity: 2	3 = High 4 = Extreme
	Personal	G = Eye Protection, gloves and Full gas mask
	Protection: G	

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.