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Trade name: Teal Sorb Fire Retardant Absorbent

SECTION 1: Identification

Product identifier: Teal Sorb Fire Retardant Absorbent.
Synonyms: Teal Sorb FR.
Product Code Number: Not available
SDS number: CGF043
Recommended use: Solid Absorbent.
Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information:

Company Name: Innovative Environmental Companies, Inc.
Company Address: 317 Peoples Ave
Rockford, IL 61104
Company Telephone: Office hours (Mon – Fri)
8.00am – 4:30pm (CST)
(815) 967-4400
Company Contact Name: Main Office.
Emergency phone number: (815) 967-4400

SECTION 2: Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

Physical hazards

No physical hazards for this product.

Health hazards

Skin corrosion/irritation, Category 2
Serious eye damage/irritation, Category 2A
Specific target organ toxicity - single exposure, Category 3, Respiratory irritation.

Environmental hazards

No environmental hazards for this product.

GHS Signal word: WARNING.

GHS Hazard statement(s): Causes skin irritation.
Causes serious eye irritation.

May cause respiratory irritation.

GHS Hazard symbol(s):



GHS Precautionary statement(s):

Prevention:

Avoid breathing dust/fume/gas/mist/vapors/spray
Wash skin thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/ eye protection/ face protection.

Response:

If on skin: Wash with plenty of water.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a poison center or doctor/physician if you feel unwell.
Specific treatment (see section 4 to 8 on this SDS and any additional information (where available) on this label).
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/ attention.
Take off contaminated clothing and wash it before reuse.

Storage:

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

Disposal:

Dispose of contents/container to an approved disposal site in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise

Classified (HNOC): None known.

Percentage of ingredient(s) of unknown acute toxicity:

66% of the mixture consists of ingredients of unknown acute toxicity (oral/dermal/inhalation).

SECTION 3: Composition/information on ingredients

Mixture:

Chemical name	CAS#	Concentration (weight %)
Perlite	93763-70-3	50 - 70%

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret due to the proprietary nature of one of the components.

Note: The balance of the ingredients are not classified as hazardous, or are below the classification threshold under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

SECTION 4: First-aid Measures

Description of necessary measures:

Inhalation: Remove to fresh air. Drink water to clear throat and blow nose to evacuate dust. Seek medical attention if difficulty breathing.

Skin contact: Wash hands and skin with soap and water.

Eye contact: Do not rub eyes. Flush eyes with large quantities of water. If irritation persists consult a physician.

Ingestion: Do not induce vomiting. Rinse mouth with water. Dilute by giving 1-2 glasses of water. Never give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed: Prolonged & repeated exposure to excessive concentrations of this product's dust or any nuisance dust can cause chronic pulmonary disease. Dust contact with eyes may cause temporary scratching or redness. This product is NOT classified as a carcinogen by NTP or IARC.

This product may contain crystalline silica at below detectable levels (<0.1%) CAS No. 14808-60-7 as it is derived from natural minerals.

Indication of immediate medical attention and special treatment needed: There is no specific antidote and treatment should be directed at the control of symptoms and the clinical condition.

SECTION 5: Fire-fighting measures

Suitable extinguishing media: Non-Flammable. Water Only. If used to collect flammable liquids, then consult SDS(s) of liquid collected.

Unsuitable extinguishing media: No data available.

Specific hazards arising from the chemical: None if product unused. If used to collect flammable liquid, then consult SDS(s) of flammable liquid.
Combustion products - Fumes of Sodium Oxide

Special protective equipment and precautions for fire-fighters: None if product unused. If used to collect flammable liquid, then consult SDS(s) of flammable liquid collected.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures: Wear appropriate protective equipment, including respiratory protection, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

Environmental Precautions: Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. If spill occurs on water notify appropriate authorities and advise shipping of any hazard.

Methods and material for containment and cleaning up:

Sweep or vacuum and dispose of as for any inert, non-carcinogenic solid waste.

SECTION 7: Handling and Storage

Precautions for safe handling: Use good personal hygiene practices and wear appropriate personal protective equipment (see section 8).

Conditions for safe storage, including any incompatibles: Avoid emptying bags in windy areas. Keep dry before use.

Other precautions: None in unused form. After product has been used to collect liquid materials, consult SDS(s) of the liquid collected. Dispose of in accordance to local, state, federal, and international guidelines.

SECTION 8: Exposure controls/personal protection

Control Parameters:

Occupational exposure limits:

US OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200): Permissible Exposure Limits		
Substance	PEL-TWA (8 hour)	PEL-STEL (15 min)

Perlite	5 mg/m ³ (respirable fraction) 15mg/m ³ (Total Particulate)	No data available
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US ACGIH Threshold Limit Values		
Substance	TLV-TWA (8 hour)	TLV-STEL (15 min)
Perlite	10 mg/m ³	No data available

NIOSH Exposure Limits		
Substance	TWA	STEL
Perlite	5 mg/m ³	No data available

Appropriate engineering controls: Use sufficient natural or mechanical ventilation to keep dust level below PEL

NOTE: Long term exposure to ANY dust may lead to long term respiratory damage. Always consult the SDS of the spilled liquid before making a choice about Personal Protective Equipment.

Individual protection measures, such as personal protective equipment:

Eye/face protection: Eye protection in compliance with OSHA regulations are advised.

Skin and Hand protection: Wear resistant gloves impervious to the specific material handled is advised to prevent skin contact. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory protection: Not Required

Other: If dusty conditions exist, NIOSH approved protective equipment is advisable.

Thermal hazards: No data available.

SECTION 9: Physical and chemical properties

Appearance

Physical state: Powder
Color: White.
Odor: No odor.
Odor threshold: No data available
pH: 6.5 – 7.5.
Melting point/freezing point: Melting Point: 2000 °F
Initial boiling point and boiling range: Not applicable.

Flash point: Non-Flammable
Evaporation rate: No data available
Flammability (solid, gas): Non-Flammable
Upper/lower flammability or explosive limits
Flammability limit – lower (%): Not applicable
Flammability limit – upper (%): Not applicable
Explosive limit – lower (%): Not applicable
Explosive limit – upper (%): Not applicable
Vapor pressure: No data available.
Vapor density: No data available.
Relative density(Specific gravity): 0.08 -0.20 (H₂O=1)
Solubility(ies): Insoluble in water.
Partition coefficient (n-octanol/water): No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity: No data available

Other information:
% Volatile by volume: No data available
Pour Point: No data available

SECTION 10: Stability and Reactivity

Reactivity: Not chemically reactive.
Chemical stability: Stable under normal ambient and anticipated conditions of use.
Possibility of hazardous reactions: Hazardous reactions not anticipated.
Conditions to avoid: No data available.
Incompatible materials: No data available.
Hazardous decomposition Products: Fumes of Sodium Oxide.

SECTION 11: Toxicological information

Information on likely routes of exposure:

Inhalation: Inhalation is an expected route of exposure.
Ingestion: Not an expected route of exposure
Skin: Not an expected route of exposure.
Eyes: Dust contact with eyes is an expected route of entry.

Target Organs: Lungs, Eyes.

Symptoms related to the physical, chemical, and toxicological characteristics:

Dust contact with eyes may cause temporary scratching or redness. Pre-existing upper respiratory and lung disease such as, but not limited to bronchitis, emphysema and asthma. Transitory upper respiratory or eye irritation.

Delayed and immediate effects and chronic effects from short or long-term exposure:

Prolonged & repeated exposure to excessive concentrations of this product's dust or any nuisance dust can cause chronic pulmonary disease.

Numerical measures of toxicity:
Ingredient Information:

Substance	Test Type (species)	Value
Perlite	LD ₅₀ Oral (Rat)	12960 mg/kg
	LD ₅₀ Dermal (Rabbit)	No data available
	LC ₅₀ Inhalation (Rat)	No data available

Product Acute Toxicity Estimates:

Acute Oral Toxicity – no data available
Acute Dermal Toxicity - no data available
Acute Inhalation Toxicity - no data available

- Skin corrosion/irritation:** May irritate people with sensitivities or skin abrasions.
- Serious eye damage/eye irritation:** Temporary Irritation or Inflammation, long term exposure may lead to corneal opacities.
- Respiratory sensitization:** No information available on the mixture, however none of the components have been classified as a respiratory sensitizer (or are below the concentration threshold for classification).
- Skin sensitization:** No information available on the mixture, however none of the components have been classified as a skin sensitizer (or are below the concentration threshold for classification).
- Germ cell mutagenicity:** No information available on the mixture, however none of the components have been classified for germ cell mutagenicity (or are below the concentration threshold for classification).
- Carcinogenicity:** No information available on the mixture, however none of the components are listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA.

Reproductive toxicity: No information available on the mixture, however none of the components have been classified for reproductive toxicity (or are below the concentration threshold for classification).

**Specific target organ toxicity-
Single exposure:** No information available on the mixture, however one of the components have been classified for STOT SE and may cause respiratory irritation.

**Specific target organ toxicity-
Repeat exposure:** No information available on the mixture, however none of the components have been classified for STOT RE (or are below the concentration threshold for classification).

Aspiration hazard: Based upon information available the component, Stoddard solvent causes aspiration into the lungs when swallowed or vomited may cause pneumonitis which can be fatal. Therefore the product is anticipated to be an aspiration hazard.

Further information: No data available.

SECTION 12: Ecological information

Ecotoxicity:

Product data: No data available

Ingredient Information:

Substance	Test Type	Species	Value
Perlite	LC ₅₀	Fish	No data available
	LC ₀	Aquatic Invertebrates	No data available
	LC ₅₀	Algae	No data available

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other adverse effects: None known

SECTION 13: Disposal considerations

Disposal instructions:

If unused TEAL-SORB_{FR}, then no special disposal procedure is necessary. After product has

been used to collect liquid materials; dispose in compliance with SDS(s) of the liquid collected.

See Sections 7 and 8 for information on handling, storage and personal protection and Section 9 for physical/chemical properties. It is possible that the material as produced contains constituents which are not required to be listed in the SDS but could affect the hazardous waste determination. Additionally, use which results in chemical or physical change of this material could subject it to regulation as a hazardous waste.

SECTION 14: Transport Information

US Department of Transportation Classification (49CFR)

Not regulated under DOT

IMDG

Not regulated under IMDG

IATA (Country variations may apply)

Not regulated under IATA

Environmental hazards

Marine pollutant: No.

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

No further relevant information available.

Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.

None.

SECTION 15: Regulatory Information

USA:

United States Federal Regulations: This SDS complies with the OSHA, 29 CFR 1910.1200. The product is hazardous under OSHA.

Toxic Substances Control Act (TSCA) – All substances in this product are listed, as required, or are exempt from the TSCA inventory.

SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311,312 and 313:

Section 302 – No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

CERCLA Hazardous Substance List, 40 CFR 302.4: This product does not contain chemicals listed on CERCLA.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): None

SARA Title III

Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A): None

Section 311/312 (40 CFR 370):

Acute Health Hazard: Yes

Chronic Health Hazard: Yes

Fire Hazard: No

Pressure Hazard: No

Reactivity Hazard: No

Section 313 Toxic Release Inventory (40 CFR 372):

None

STATE REGULATIONS:

This SDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

California Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986): No components are listed on Prop 65.

Massachusetts Right to Know: Perlite is listed on the Massachusetts Right to Know List.

Minnesota Hazardous Substance List: Perlite is listed on the Minnesota Hazardous Substance List.

New Jersey Right to Know: Perlite is listed on the New Jersey Right to Know list.

Pennsylvania Right to Know: Perlite is listed on the Pennsylvania Right to Know List.

Canada WHMIS Hazard Class: D2B –Toxic material.

SECTION 16: Other Information

Revision Date: June 11, 2015

To the best of our knowledge, the information contained herein is accurate. However Innovative Environmental Companies, INC does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described

herein, we cannot guarantee that these are the only hazards which exist.