Innovative Environmental Companies

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Trade name: Teal Sorb Acid Neutralizing Acid

SECTION 1: Identification

Product identifier: **Teal Sorb Acid Neutralizing Acid**
Synonyms: **Teal Sorb AC.**
Product Code Number: Not available
SDS number: CGF050
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
Skin sensitization, Category 1
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.
May cause an allergic skin reaction.
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.
Contaminated work clothing must not be allowed out of the workplace.
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 or rash 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:
98% 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	80 - 90%
Sodium Carbonate	497-19-8	10 – 15%
Proprietary Indicator	Proprietary	< 5%

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

Skin contact: Cleanse affected area(s) thoroughly by washing with a mild soap and water. If irritation persists, seek medical attention.

Eye contact: Flush eyes with clean water. Do not rub eyes. If symptoms persist, seek medical attention.

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.

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: Not combustible. Use suitable extinguishing media for surrounding area if product unused. 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: Avoid breathing dust. 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 up in a manner that minimizes the generation of dust. Dispose of in accordance to local, state and federal regulations.

SECTION 7: Handling and Storage

Precautions for safe handling: Avoid breathing dust. Exhaust ventilation is recommended for operations to avoid nuisance dust. 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
Sodium Carbonate	No data available	No data available
Proprietary indicator	No data available	No data available

US ACGIH Threshold Limit Values		
Substance	**TLV-TWA (8 hour)**	**TLV-STEL (15 min)**
Perlite	10 mg/m^3	No data available
Sodium Carbonate	No data available	No data available
Proprietary indicator	No data available	No data available

NIOSH Exposure Limits		
Substance	**TWA**	**STEL**
Perlite	5 mg/m^3	No data available
Sodium Carbonate	No data available	No data available
Proprietary indicator	No data available	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: The use of eye protection that meets or exceeds ANSI Z.87.1 is recommended to protect against potential eye contact, irritation, or injury. Depending on conditions of use, a face shield may be necessary.

Skin and Hand protection: The use of gloves impervious to the specific material handled is advised to prevent skin contact. Users should check with manufacturers to confirm the performance of their products. Suggested protective materials: Nitrile.

Respiratory protection: Where there is potential for airborne exposure above the exposure limit a NIOSH certified air purifying respirator equipped with R or P95 filters may be used. A respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed whenever workplace conditions warrant a respirator's use. Air purifying respirators provide limited protection and cannot be used in atmospheres that exceed the maximum use concentration (MUC) as directed by regulation or the

manufacturer's instructions, in oxygen deficient (less than 19.5 percent oxygen) situations, or other conditions that are immediately dangerous to life and health (IDLH).

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:	Off white.
Odor:	No odor.
Odor threshold:	No data available
pH:	6.5 – 7.5.
Melting point/freezing point:	Melting Point: 2000 ^{o}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 (H_20=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:
% Solids by weight: 100%

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:	Extended exposure to high temperatures can cause decomposition.
Incompatible materials:	Never use Teal Sorb with Hydrofluoric acid.

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
Sodium Carbonate	LD_{50} Oral (Rat)	4090 mg/kg
	LD_{50} Dermal (Rat)	No data available
	LC_{50} Inhalation (Rat)	5750 mg/l (2h)
Proprietary Indicator	LD_{50} Oral (Rat)	No data available
	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: Causes skin irritation.

Serious eye damage/eye irritation:	Causes serious eye irritation.
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:	Expected to be a skin sensitizer based upon the components.
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 ay 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:	No information available on the mixture, however none of the components have been classified for aspiration (or are below the concentration threshold for classification).
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
Sodium Carbonate	LC_{50}	Fish - Lepomis macrochirus (Bluegill)	330 - mg/l (96h)
	LC_0	Aquatic Invertebrates - Daphnia magna (Water flea)	264 mg/l (48h)
	LC_{50}	Algae	No data available
Proprietary Indicator	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 waste is unused TEAL-SORB, then no special disposal procedure necessary. After product has been used to collect liquid materials; dispose in compliance with SDS(s) of the liquid collected.
Avoid emptying bags in windy areas.

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 and Sodium Carbonate are listed on the New Jersey Right to Know list.

Pennsylvania Right to Know: Perlite and Sodium Carbonate are 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.