

MATERIAL SAFETY DATA SHEET

PRODUCT: TEAL-SORB_{SR} (Disinfecting Absorbent)

Created 03/01/2007 / Revised 11/29/2007

COMPANY IDENTIFICATION AND CHEMICAL PRODUCT

Manufacturer's Name: Teal Technologies, Inc. Telephone Number: 815-316-2925
Address: 1910 23Rd Avenue Fax: 815-316-2926
Rockford, IL 61104 EMERGENCY: 815-871-4100

COMPOSITION/INFORMATION ON INGREDIENTS FOR: TEAL-SORB_{SR} (Disinfecting)

Chemical Name: Alumina Silicate	CAS#: 1318-02-1	(All Zeolites- excluding Erionite)	% of Finished Product: 97.5%
	CAS#: 12173-10-03	(Natural Zeolites- excluding Erionite)	
Calcium Hypochlorite	CAS#: 7778-54-3	(Calcium Hypochlorite, Granular)	% of Finished Product: 2.5%

TLV and PEL: For Both Alumina Silicate & Calcium Hypochlorite

OSHA PEL-TWA: 15mg/M3 Total Particulate	Ingredient Name: Alumina Silicate & Calcium Hypochlorite
5mg/M3 Respirable Fraction	Hazardous Components: None
ACGIH TLV-TWA: 10 mg/M3 OTHER: NA	Hazardous Classification: Not Classified

Hazardous Identification (Degree of Hazard: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4= Severe)

HMS: Health = 2, Flammability = 0, Physical Hazard = 2, Personal Protection (PPE) = B (Safety Glasses & Gloves)

SUMMARY: 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.

Medical Conditions Which May Be Aggravated: Pre-existing upper respiratory and lung disease such as, but not limited to bronchitis, emphysema and asthma. Target Organs: Lungs, Eyes. **Acute Health Effects:** Transitory upper respiratory or eye irritation. **Chronic Health Effects:** Prolonged and repeated exposures to excessive concentrations of product dust in excess of the PEL/TLV can cause chronic pulmonary disease.

Primary Entry Route (s): Inhalation, dust contact with eyes. **Inhalation:** Irritation in throat and nose. In extreme exposures some congestion may occur. Seek medical attention if difficulty breathing. **Eyes:** Temporary Irritation or Inflammation, long term exposure may lead to corneal opacities. **Skin Contact:** May irritate people with sensitivities or skin abrasions. **Skin Absorption:** NA **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. **Pertaining to Calcium Hypochlorite Only:** Dermal LD 50: .1 mg/kg (rabbit); Oral LD 50: No Data; Inhalation LD 50: No Data.

FIRST AID 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:** Wash hands and skin **Skin Absorption:** NA **Ingestion:** As stated in Primary Entry Routes Section.

FIRE FIGHTING MEASURES:

Extinguishing Media: Water Only. If used to collect flammable liquids, then consult MSDS(s) of liquid collected.
Specific Fire Fighting Procedures: Wear Self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.
Unusual Fire and Explosion Hazards: None if product unused. If used to collect flammable liquid, then consult MSDS(s) of flammable liquid
Hazardous Combustion Products: Calcium Hypochlorite Decomposes at 180 Deg. C, releasing oxygen gas
Flash Point: Non-Flammable **Flammable limits:** Non-Flammable **Auto Ignition Temperature:** NA **LEL:** None **UEL:** NONE
NFPA Flammable/Combustible liquid Classification: NA **Unusual Fire or Explosion Hazards:** Decomposes at 180 Deg. C, releasing oxygen gas

EXPOSURE CONTROL/ PERSONAL PROTECTION

Goggles: Eye Protection recommended **Gloves:** Recommended **Respirator:** Not Required **Ventilation:** Use sufficient natural or mechanical ventilation to keep dust level below PEL Other: If dusty conditions exist, NIOSH approved protective equipment is advisable. NOTE: Long term exposure to ANY dust may lead to long term respiratory damage. Always consult the MSDS of the spilled liquid before making a choice about Personal Protective Equipment!

PHYSICAL & CHEMICAL PROPERTIES

Boiling Point: NA **Vapor Pressure:** (mm Hg): NA **Vapor Density:** (AIR=1): NA **Solubility in water:** Calcium Hypochlorite Soluble in water **Specific Gravity:** (H2O=1): .08 -.20 **Melting Point:** 2000 degrees F **Evaporation Rate:** (Butyl Acetate=1): NIL **Appearance and Odor:** White Powder, slight chlorine odor

TOXICOLOGICAL INFORMATION

Summary: Prolonged and 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 scratchiness or redness. Long term contact with eyes may cause corneal opacities. This product has not been classified as a carcinogen by NTP or IARC

PRECAUTION FOR SAFE HANDLING, USE, DISPOSAL, & REACTIVITY:

NOTE: NEVER USE TEAL-SORB_{SR} WITH HYDROFLUORIC ACID

Steps to be taken in case material is released or spilled: Sweep or vacuum and dispose of as for any inert, non-carcinogenic solid waste.

Waste Disposal Method: If unused TEAL-SORB_{SR}, then no special disposal procedure necessary. After product has been used to collect liquid materials; dispose in compliance with MSDS(s) of the liquid collected. **Precautions to be taken in handling and storage:** 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 MSDS(s) of the liquid collected. Dispose of in accordance to local, state, federal, and international guidelines.

REGULATORY INFORMATION OSHA Hazard Communication Standard, 29 CFR 1910. 1200: See hazard identification of this MSDS **RCRA:** This material is not defined as Hazardous waste per 40CFR261 **TSCA:** Material listed in TSCA inventory; naturally occurring chemical substances are automatically included. Excluded from reporting requirements **CERCLA:** Material is not reportable under CERCLA **SARA:** 311/312 hazard categories-non-found, 313 reportable ingredients-none California Proposition 65: Not Applicable

The information on this MSDS Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of this material which is not in conformance with this MSDS, or which involves using the material in combination with any other process is the responsibility of the user. However, no warranty or representation with the respect to such information is intended or given.