



SAFETY DATA SHEET (SDS)

Date Revised : 04 / 15
Supercedes : 01 / 11

NATURE SORB
SUPER ABSORBENCY POWDER
SUPER ABSORBS UP TO 100 X

CLEANS UP EXCESSIVE LIQUIDS
RELEASES REFRESHING LEMON SCENT
NATURAL ABSORBENCY OF CELLULOSE

SECTION 1 : IDENTIFICATION OF SUBSTANCE / COMPANY

PRODUCT NAME / IDENTIFIER :
PRIMARY APPLICATION / RECOMMENDED USAGE :

"NATURE SORB" – Super Absorbency Powder
Cleans up Blood, Urine, Vomit or any other Excessive Liquid .
Absorbs through the Power of Natural Cellulose . Super absorbs
up to 100 X its own weight in liquid . Locks spill immediately into
a disposable gel . Releases a pleasant, natural lemon-scent into
the air . Leaves area dry, clean, and deodorized .

DISTRIBUTED EXCLUSIVELY BY :

HEALTHY CLEAN BUILDINGS

4 Wilmington Drive
Melville, New York 11747

INFORMATION TELEPHONE :
EMERGENCY TELEPHONE :
USAGE RESTRICTIONS :

1-631-643-1882
1- 516 – 377 - 7772
Refer to Product Label

SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the substance or mixture (GHS-US) :

Skin Irritation : Category 2
Eye Irritation : Category 2 A

NOTE : Prolonged contact with skin or eyes may cause minor physical irritation . Ingredients used to make this product are not acutely toxic .

Label Elements

Hazard Pictograms

(GHS-US Labeling)  Mild Skin & Eye Irritant

Signal Word :

Warning

Hazards :

H316 : May Cause Mild Skin Irritation .
H320 : May Cause Eye Irritation .

Precautionary Statements : P101 : If medical advice is required, have product container or label available .

P102 Keep Out of Reach of Children

P103 . Read Label Before Use .

P264 : In the Event of Direct Contact , Wash Hands and Forearms Thoroughly After Handling

P305+P351+P338 – If In Eyes via Direct Contact , Rinse Cautiously with Water for Several Minutes .

If Easy To Do, Remove Contact Lenses .Continue Rinsing

P337+P313 – If Eye Irritation Persists , Get Medical Advice / Attention .

Other Hazards : None

Ingredients with Unknown Acute Toxicity : None



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SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS :

Chemical characterization : Non-hazardous . This product does not meet the definition of a hazardous material given in 29 CFR Part 1910.1200 (OSHA) . Derived from processed corn cob .

Component Disclosure :

<u>Ingredient (s) :</u>	<u>CAS Number :</u>	<u>%</u>	<u>OSHA / PEL :</u>	<u>ACGIH / TLV :</u>	<u>Other Limits :</u>
Pulverized Cellulose	9004-34-6	92-94	Total Dust = 15mg/ m3 Respirable Fraction for Nuisance Dust = 5 mg/ m3	10 mg/ m3	NE
Absorbent Starch Polymer	60323-79-7	4-6	NE	NE	NE
Fragrance	94266-47-4	1-2	NE	NE	1 -2 %

NOTE : Approximate percentages – Exact percentages and identities are withhold as trade secrets.

SECTION 4 : FIRST AID MEASURES

Description of Necessary Measures : No acute or chronic hazards known .

After Inhalation : Move to fresh air . Excessive product is considered a nuisance dust . Unusual dust concentrations may cause unpleasant deposit or irritation in the nasal and throat passages. May aggravate pre-existing respiratory conditions or allergies. Consult a doctor if adverse conditions persist .

After Skin Contact : Under normal conditions , non-irritating to skin and no adverse effects are expected. As a usual hygiene work practice , wash with plenty of soap and water after usage of any cleaning product. If any skin irritation or rash persists, seek medical attention .

After Eye Contact : Dust may irritate eyes, resulting in redness or watering. Prolonged exposure may cause mild irritation to the eye tissue if not removed . In case of extreme contact , immediately flush eyes with large quantities of warm running water for 15 minutes , lifting upper and lower lids occasionally . If easy to do, remove contact lenses . Continue water rinsing . If eye irritation persists, seek medical attention .

After Ingestion : Not a normal route of entry. May cause gastrointestinal upset. Under extreme circumstances, Induce vomiting . Rinse mouth with water . If patient is fully conscious, continue to rinse mouth with water and drink 2-3 glasses of water .If adverse conditions persist , seek medical attention . Never give anything by mouth if victim is conscious , rapidly losing consciousness, or is convulsing .

SECTION 5 : FIRE FIGHTING MEASURES :

Flashpoint (°F, °C , PMCC) : (Open Cup) - 350°F (177°C) ; (Closed Cup) - 388°F (198°C)

Suitable Extinguishing Media : Water, Dry Chemical , Foam, Carbon Dioxide , Halon

Unsuitable Extinguishing Media : None

Flammable Limits : NA LEL : NA UEL : NA

Flammability : Punks and smolders when ignited . Does not readily burn with a flame .

Combustible By-Products : Carbon Dioxide , Carbon Monoxide, & Nitrogen Dioxide typical of wood smoke .

Special Protective Equipment for Fire Fighters : Full protective equipment, including a NIOSH approved , self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or other positive pressure mode ; and turn-out equipment when fighting fires .

Unusual Fire & Explosion Hazards : Implement standard safety procedures for handling finely divided organic powders . Eliminate sources of ignition such as open flames, sparks, or static build – up .



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SECTION 6 : ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedure : Sweep and collect excess product in suitable container for reuse and disposal . Flush remaining product from spill with water to clean up residue . Collect remaining slurry created by water absorbed by powder . Flush with water again .

Precautions To Be Taken in Handling & Storing : Maintain good housekeeping practices to minimize accumulation of settled dust, especially on overhead surfaces . Avoid breathing dust . Protect from freezing . Product shelf life is best retained by storing at 45 -100 ° F .

Environmental Precautions : Make best efforts to prevent entry into sewers and public waters . This product contains no reportable quantities of toxic chemicals subject to reporting requirements of Section 313 of SARA Title III Emergency Planning and Community Right-To-Know Act of 1968 and of 40 CFR Part 372 .

SECTION 7 : HANDLING & STORAGE REQUIREMENTS

KEEP OUT OF REACH OF CHILDREN

Precautions for Safe Handling : Read product literature, label , and SDS before use . Use product strictly according to label directions .

Wash hands and other exposed areas with soap and water before eating, drinking, smoking; or when leaving work . Provide adequate ventilation in storage area . Avoid personal contamination after a spill .

Hygiene Measures : Wash hands and forearms thoroughly after handling . Launder soiled, contaminated clothing before re-use .

Safe Storage Conditions : Store in a cool, dry, ventilated area . Keep in original container in a cool , well-ventilated place away from open flames . Keep container closed when not in use.

Incompatible Products : Oxidizing agents .

Incompatible Circumstances : Keep away from ignition sources such as open flames, sparks, or static build – up .

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Airborne Exposure Limits : OSHA Permissible Exposure Limit (PEL) : Total Dust -15 mg/ m3 ; Respirable fraction for nuisance dusts : 5 mg/ m3.

Workplace Control Parameters : No Additional Information Is Available

Local Exhaust : A system of local and / or general exhaust is recommended if handled in a confined area .

Exposure Controls :

Personal Protective Equipment : Avoid unnecessary exposure

Hand protection : For relatively small quantities , may not be necessary but good practice to wear chemical –resistant gloves . Otherwise, for extreme quantities wear long sleeved clothing and work gloves .

Eye Protection : Chemical goggles or safety glasses with side shields . Maintain eye wash station in work area .

Respiratory Protection : For relatively small quantities , may not be necessary but good practice for extreme quantities to wear appropriate NIOSH approved nuisance dust mask

Work / Hygienic Practices : Wash contaminated clothing before re-use .

Other Information : Do Not eat, drink, or smoke during use

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Granular at various sizes

pH (as is) : 5

Freezing Point : < 32 °F, < 0 °C

Solubility in Water : Insoluble

Flashpoint (°F, °C, PMCC) : (Open Cup) - 350°F (177°C) ; (Closed Cup) - 388°F (198°C)

Flammability : Punks and smolders when ignited . Does not readily burn with a flame .

Partition coefficient : (n-octanol/water) Undetermined **Vapor Pressure :** NA

Color : Tan

Relative Evaporation Rate : NA

Boiling Point : NA

Specific Gravity (Water = 1) : 0.2 – 0.4 g/ cc

Odor : Lemon - scented

Melting Point : NA

Relative Density : 10 – 35 lb. cu. ft.

Decomposition Temp. : Undetermined

Auto-ignition Temperature : 788 °F (420 °C)

Explosive Limits : Undetermined



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SECTION 10 : STABILITY AND REACTIVITY

Reactivity : No Additional Information Available

Chemical stability : Stable under Normal Conditions

Possibility of Hazardous Reactions : Undetermined

Conditions to Avoid : Direct Sunlight . Extremely High or Low Temperatures

Incompatible Materials : High Alkalis , Low Acids , Oxidizing Agents & Excessive Heat

Fumes Hazardous Polymerization : Should not occur

Hazardous Decomposition By-products : Carbon Dioxide , Carbon Monoxide, & Nitrogen Dioxide typical of wood smoke .

SECTION 11 : TOXICOLOGICAL INFORMATION

Information on Toxicological Effects : Any hazards associated with this finished product are listed in SECTION 2 of this SDS . This product is not regarded as a mutagen or carcinogen, and there is low concern for reproductive, developmental, or nervous system toxic effects .

Likely Routes of Exposure : Inhalation, Skin Contact , Eye Contact , Ingestion .

Inhalation : Irritating to the respiratory tract , if inhaled .Nuisance dust is 10 mg/ m3 of total dust . If an allergic reaction does occur , move individual to fresh air . If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician immediately.

Skin Contact : May be irritating with prolonged contact . In extreme cases , if " Redness " or Sensitization occurs through direct skin contact , seek the attention of a physician immediately .

Eye Contact : Irritating Effect May Occur Through Direct Contact . In extreme cases , if "redness" and watering of eyes persists , seek the attention of a physician immediately .

Ingestion : Not anticipated route of exposure . May cause gastric irritation if ingested in large quantities .

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics : None known

Acute Toxicity , Toxicological (see table below)

Measures of Toxicity by Ingredients : The following Acute Toxicity Estimates (ATE) are calculated on this GHS document . Toxicological Data of complete product are not available .No classification on the basis of the calculation procedure of the preparation directive . Data not available or is insufficient for classification . The toxicity data listed pertaining to the ingredients are intended for those working in the medical professions , experts for occupational health and safety, and toxicologists . The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials .

	<u>Standard :</u>	<u>Species :</u>	<u>Result :</u>	<u>Exposure :</u>
Pulverized cellulose (cas # 9004-34-6)	Eye Effects	Rabbit	Non – Irritating (FMC Study)	NA
	Skin Effects	Rabbit	Non – Irritating (FMC Study) Primary Irritating Index	NA
	LD50	Rabbit	Dermal = > 2000 mg/ kg	NA
	LD50	Rat	Oral = > 5000 mg/ kg	
	LC50	Rat	Inhalation = > 5.05 mg / L	4 hr. (max. attain. Concentration, no mortality
	Skin Sensitization	Guinea Pig	Non – Sensitizing (FMC Study)	



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	<u>Standard :</u>	<u>Species :</u>	<u>Result :</u>	<u>Exposure :</u>
Absorbent Starch Polymer (60323-79-7)	LD50	Rat	Oral = >5000 mg/ kg	NA
	LD50	Rat	Dermal = 2000 mg/ kg	NA

Acute Effects from Overexposure : No significant hazard in animal toxicity tests .

Teratogenicity, Mutagenicity : reported negative in the Ames mutagenicity assay; and caused no chromosome damage in the mouse micronucleus assay . (FMC study)

Reproductive Toxicity : Not Classified

Specific Target Organ Toxicity (Single Exposure) : Not Classified

Specific Target Organ Toxicity (Repeated Exposure) : Not Classified

Carcinogenic Categories : The ingredients in this product are not known to cause cancer in animals or humans . Not listed as carcinogenic by IARC, NTP, or OSHA .

Acute Toxicity : Under extreme, prolonged exposure to the product, may cause skin, eye, and respiratory irritation .

Skin Corrosion / Irritation : Under extreme, prolonged exposure to the product, may cause skin irritation

Skin Sensitization : Not classified , except for personal allergic reactions .

Serious Eye Damage / Irritation : Under extreme, prolonged exposure to the product, may cause eye irritation .

Respiratory Sensitization : Under normal conditions, this product is not classified as allergenic by inhalation or skin contact .

Extreme , prolonged exposure to the product at concentrate above the conventional exposure limits may cause respiratory tract and lung sensitization

Chronic Effects from Overexposure : Pulverized Cellulose is considered an inert dust which is not toxic to the lungs when exposures are properly controlled . No adverse human effects are known .

SECTION 12 : ECOLOGICAL INFORMATION

Environmental Data : Contains no ingredients known to be hazardous to the environment . Biodegradation in soil .

Inherently biodegradable .

	<u>Standard :</u>	<u>Species :</u>	<u>Result :</u>	<u>Exposure :</u>
Pulverized cellulose (cas # 9004-34-6)	EC50	Algae	100% Saturated Solution NOEC = 12.5 % (FMC Study)	96 hr.
	LC50	Daphnia	100% Saturated Solution NOEC = 100 % (FMC Study)	48 hr.
	LC50	Rainbow Trout	100% Saturated Solution NOEC = 100 % (FMC Study)	96 hr.



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Absorbent Starch Polymer (60323-79-7)	This ingredient is not classified as being dangerous to the environment . Do Not flush into surface water or sanitary sewer system .
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ECOTOXICITY : NE (Not Established)
 Aquatic Toxicity :NE
 Terrestrial Toxicity :NE
 Mobility in Soil :NE
 OTHER ADVERSE EFFECTS :
 Effect on Ozone LayerNo Additional Information Available
 Effect on Global Warming :No Additional Information Available

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations : Dispose in safe manner in accordance with local / state/federal regulations.
 Dispose of contents / container in accordance with local/regional/national/international regulations . Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities while adhering to the necessary regulations .
Ecology – Waste Materials : Avoid release into environment .
Recommended Cleansing Agents : Sweep Clean . Rinse with Water Only

SECTION 14 : TRANSPORT INFORMATION

UN Number (DOT, IMDG, IATA) Non - hazardous
 UN Proper Shipping Name (DOT, IMDG, IATA) Powder , Super – Absorbency
 Transport Hazard Class(es) (DOT, IMDG, IATA)Not Regulated
 Packing Group (DOT, IMDG, IATA)Not Regulated
 Environmental Hazards : Marine Pollutant (Yes/No)NO
 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code...Not Applicable
 Special Precautions for User :Not Applicable

SECTION 15 : REGULATORY INFORMATION

U.S. Federal Regulations :No Additional Information Available
 US-EPA (Environmental Protection Agency)None of the Ingredients are Listed
 TSCA (Toxic Substances Control Act): Ingredients of this product are on the Inventory list.
 OSHA Hazard Communication Standard, 29 CFR 1910.1200: None of the Ingredients are listed .In extreme , larger quantities, nuisance dust .
 SARA Title III (Superfund Amendments and Reauthorization Act): No listed ingredient
 CERCLA (Comprehensive Environmental Response Compensation and Liability Act): No Reportable Quantity .
 International Regulations :
 IARC (International Agency for Research on Cancer) : None of the Ingredients are listed .
 CANADA , EU-REGULATIONSNo Additional Information Available



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SECTION 16 : OTHER INFORMATION

HMIS Rating		GHS classification ratings order of severity differ from NFPA and HMIS	
HEALTH	1	HMIS/NFPA Hazard Ratings	GHS Hazard Categories
FLAMMABILITY	0	0= Minimal Hazard	Cat 1 ~ Severe Hazard
PHYSICAL HAZARD	0	1= Slight Hazard	Cat 2 ~ Serious Hazard
PERSONAL PROTECTION	E	2= Moderate Hazard	Cat 3 ~ Moderate Hazard
		3= Serious Hazard	Cat 4 ~ Slight Hazard
		4= Severe Hazard	Cat 5 ~ Minimal Hazard

DISCLAIMER : This document is intended to provide a brief summary of our present knowledge and guidance regarding the use of this material . The information set forth herein has been compiled from sources to be dependable and is believed to be accurate as of the date of issuance . This information is offered in good faith by HEALTHY CLEAN BUILDINGS and no warranty, expressed or implied, is made . The user assumes all liability for any damage or injury resulting from misuse, from any failure to adhere to recommended practices according to product label (and such), or from any hazards inherent in the nature of the product . This document shall not constitute a guarantee for any specific product features and shall not establish a legally valid contracted relationship.

Footnotes : CALC-Calculated; COR-Corrosive; CS-Cancer Suspect Agent; EST-Estimated; HMIS-Hazardous Material Identification System; NA-Not Applicable; ND-No Data ; NE – Data Not Established; OX- Oxidizer; PEL-Permissible Exposure Limit; PPI-Personal Protection Index ; STEL-Short Time Exposure Limit; TLV-Threshold Limit Value; TS-Trade Secret ; TWA-Time Weighted Average