

SAFETY DATA SHEET

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier:

Trade Name : **Chem-Posite™ 11C-130**
Description : White fibrous web
Chemical Family : Mixture of wood cellulose and polyacrylate polymer

1.2 Recommended use of the chemical and restrictions on use

Recommended Use : Aqueous absorbent
Non-recommended Use : N/A

1.3 Details of the supplier of the safety data sheet

Company : **Emerging Technologies, inc.**
402 Edwardia Drive
Greensboro, NC 27409
USA
Telephone : (336)-851-9097
FAX: : (336)-851-2153
Email : info@thesuperabsorbentsource.com

1.4 Emergency telephone number

EMERGENCY TELEPHONE: 24 hours a day, 7 days a week
CHEMTREC 1-800-424-9300
NON-EMERGENCY TELEPHONE:
COMPANY CODE: EMTE (336)-851-9097

2. Hazard Identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture

2.2 Label elements

Not a hazardous substance or mixture

2.3 Other Hazards

None known

3. Composition/Information on Ingredients

3.1 Substances

Classification according to regulation 29CFR 1910.1200

CAS #	Component	Weight Percent
65996-61-4	Wood Pulp	20 – 86
09003-04-7	Poly (Acrylic Acid), Sodium Salt	5 – 56
09004-34-6	Cellulose Tissue	2 - 40

4. First Aid Measures

4.1 Description of first aid measures

Eyes	:	Immediately flush with plenty of water. Remove particles remaining under the eyelids. Remove contact lenses. Seek medical attention if irritation persists.
Skin	:	Wash skin with mild soap and water. If a rash, persistent irritation or dermatitis occur, get medical attention.
Ingestion	:	Non-toxic by ingestion; if adverse symptoms appear, seek medical attention. Remove as much as possible from the mouth; if conscious, induce vomiting and rinse mouth thoroughly with plenty of water
Inhalation	:	If inhaled, move to source of fresh air. Seek medical attention if symptoms persist.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	:	Inhalation of dust particulate may cause mild irritation of upper respiratory tract and lungs.
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4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures

5.1 Extinguishing Media

Suitable media	:	Water stream, fog, dry chemical or other agents suitable for Class A fires.
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5.2 Hazardous Combustion Products

In the event of fire, the following can be released: Carbon Dioxide, Carbon Monoxide.

5.3 Fire Fighting Instructions

Firefighters should wear full protective clothing including self-contained breathing apparatus.

Do not inhale explosion and /or combustion gases.

Use self-contained breathing apparatus.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment; avoid contact with skin and eyes; prohibit inhalation of dust. Use caution after product contacts water as extremely slippery conditions will result.

6.2 Environmental precautions

In the event of a spill, do not flush into drains or waterways; product swells in contact with water. Large quantities can cause serious clogs in sewers or drainage systems.

See section 6.3 for containment and cleanup.

6.3 Methods and material for containment and cleaning up

Containment Procedures

Avoid respirable dust. Sweep or vacuum material when possible and shovel into a waste container.

Clean up procedures

Use caution after product contacts water as extremely slippery conditions will result. Remove as much product as possible by mechanical means. This is a non-hazardous waste suitable for disposal in an approved solid waste landfill.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	:	Handle as an eye and respiratory tract irritant. Ensure adequate ventilation.
Hygiene	:	Wash hands before breaks and after work. Do not eat, drink or smoke when working. Remove soiled or soaked clothing immediately.
General protective measures	:	Do not inhale dust. Avoid contact with eyes and skin.

7.2 Conditions for safe storage, including any incompatibles

Prevention of fire and explosion

Avoid forming dust. Handle and store away from ignition sources.

Storage

Store in a dry, closed container.

8. Exposure controls/personal protection

8.1 Control parameters

OSHA PEL: PEL for respirable fraction of nuisance dust is 5 mg/m³.

ACGIH TLV: TLV for respirable particulate, not otherwise classified, is 3 mg/m³.

8.2 Exposure controls

Engineering controls

Provide local exhaust ventilation to maintain worker exposure to less than 0.05 mg/m³ respirable dust over an 8 hour period.

Personal protective equipment

Obey reasonable safety precautions and practice good housekeeping. Wash thoroughly after handling.

Eye protection	:	This product is not classified as a hazardous substance. Any necessity for eye protection must be determined within the scope of a risk assessment.
Hand protection	:	Glove material: Use impervious gloves
Body protection	:	Protective clothing
Respiratory protection	:	In case of irritating dust formation, wear a standard dust mask. Wear a respirator with a high efficiency filter if particulate concentration in the work area exceeds 0.05 mg/m ³ respirable dust over an 8 hour time period.

9. Physical and chemical properties

9.1 Information on the basic physical and chemical properties

Physical State:	:	Solid
Form	:	Fibrous web or sheet
Appearance	:	White
Odor	:	None
Odor Threshold	:	No data available
pH	:	Slightly less than 7
Melting Point	:	No data available
Boiling Point	:	No data available
Flash Point	:	No data available
Evaporation Rate	:	No data available
Flammability	:	No data available
Upper Explosion/ Ignition Limit	:	No data available
Lower Explosion Limit	:	No data available
Vapor Pressure	:	No data available
Relative Vapor Density	:	No data available
Relative Density	:	No data available
Specific Gravity (Bulk Density)	:	< 1.0
Solubility	:	No data available
Water Solubility	:	Not soluble (swells in water)
Partition Coefficient (n-octanol/water)	:	No data available
Autoignition Temperature	:	No data available
Thermal Decomposition	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available

9.2 Other information

None

10. Stability and reactivity**10.1 Reactivity**

Stable under normal temperatures and pressures.

10.2 Chemical stability

The product is stable under normal conditions.

10.3 Possibility of hazardous reaction

None known to date.

10.4 Conditions to avoid

Temperatures >200°C

10.5 Incompatible materials

Avoid strong oxidizing agents and ignition sources.

10.6 Hazardous decomposition products

None with proper storage and handling.

11. Toxicological information**11.1 Information on toxicological effects of Polyacrylate Polymer**

Acute toxicity (oral)	:	LD ₅₀ rat Dose: > 2,000 mg/kg Method: Limit test
Acute toxicity (inhalation)	:	Inhalation of dust particulate may cause mild irritation of upper respiratory tract and lungs.
Acute toxicity (dermal)	:	No data available
Irritation/corrosion of the skin	:	Not an irritant (human, rabbit)
Serious eye damage/ eye irritation	:	Not an irritant (rabbit)
Respiratory/skin sensitization	:	Non-sensitizing (rat)
Repeated dose toxicity	:	Chronic inhalation exposure to rates for a lifetime (two years) using sodium polyacrylate that had been micronized to a respirable particle size (less than 10 microns) produced non-specific inflammation and chronic lung injury at 0.2 mg/m ³ and 0.8 mg/m ³ . Also, at 0.8 mg/m ³ , tumors were seen in some test animals. In the absence of chronic inflammation, tumors are not expected. There were no adverse effects detected at 0.05 mg/m ³ .
Genotoxicity in vitro	:	Non-mutagenic
Reprotoxicity/Fertility	:	No data available
Reprotoxicity/Development/Teratogenicity	:	No data available
Specific Target Organ Toxicity-Single exposure	:	No data available
Specific Target Organ Toxicity-Repeated exposure	:	No data available
Aspiration hazard	:	No aspiration toxicity classification
Other information	:	Proper use provided, no adverse health effects have been reported.

11.2 Information on toxicological effects of Wood Pulp and Cellulose Tissue

Acute toxicity (oral)	:	No data available
Acute toxicity (inhalation)	:	Irritant: Inhalation of dust particulate may cause mild irritation of upper respiratory tract and lungs. May aggravate existing respiratory conditions
Acute toxicity (dermal)	:	No data available
Irritation/corrosion of the skin	:	May aggravate existing skin conditions due to drying effect.
Serious eye damage/ eye irritation	:	No data available
Respiratory/skin sensitization	:	No data available
Repeated dose toxicity	:	Chronic inhalation exposure to rates for a lifetime (two years) using sodium polyacrylate that had been micronized to a respirable particle size (less than 10 microns) produced non-specific inflammation and chronic lung injury at 0.2 mg/m ³ and 0.8 mg/m ³ . Also, at 0.8 mg/m ³ , tumors were seen in some test animals. In the absence of chronic inflammation, tumors are not expected. There were no adverse effects detected at 0.05 mg/m ³ .
Genotoxicity in vitro	:	No data available
Reprotoxicity/Fertility	:	No data available
Reprotoxicity/Development/Teratogenicity	:	No data available
Specific Target Organ Toxicity-Single exposure	:	No data available
Specific Target Organ Toxicity-Repeated exposure	:	No data available
Aspiration hazard	:	No data available
Other information	:	Proper use provided, no adverse health effects have been reported.

12. Ecological information

12.1 Toxicity

Aquatic toxicity, fish	:	No data available
Aquatic toxicity invertebrates	:	No data available
Aquatic toxicity, algae/aquatic plants	:	No data available
Toxicity in microorganisms	:	No data available
Chronic toxicity in fish	:	No data available
Chronic toxicity in aquatic invertebrates	:	No data available
Toxicity in organisms which live in soil	:	No data available
Ciliate toxicity:	:	No data available
Biodegradability:	:	No data available
Physico-chemical removability:	:	No data available

12.2 Persistence and degradability

Photodegradation : No data available
Biological degradability : No data available

12.3 Bioaccumulative potential

Bioaccumulation : No data available

12.4 Mobility in soil

Environmental distribution : Immobile in landfills and soil systems (> 90% retention)

12.5 Results of Persistent, Bioaccumulative and Toxic (PBT) and Very Persistent and Very Bioaccumulative (vPvB) assessment

PBT and vPvB assessment : No data available

12.6 Other adverse effects

General Information : None

12.7 Additional information

Additional information : Polyacrylate absorbents are relatively inert in aerobic and anaerobic conditions. They are also compatible with incineration of municipal solid waste. Incidental down-the-drain disposal of small quantities of polyacrylate absorbents will not affect the performance of wastewater treatment systems.

13. Disposal considerations

13.1 Waste treatment methods

Product	:	Dispose of in accordance with Local, State, and Federal regulations. This product is a non-hazardous waste material suitable for approved solid waste landfills.
Contaminated packaging	:	If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.
General	:	Destroy the product by incineration if possible or discard in accordance with local, state and federal regulations

14. Transport information**Not dangerous according to transport regulations**

14.1	UN number	:	None
14.2	UN proper shipping name	:	None
14.3	Transport hazard class(es)	:	None
14.4	Packing group	:	None
14.5	Environmental hazards	:	None
14.6	Special precautions for user	:	None

15. Regulatory informationUS Regulations

CERCLA	:	This product is not listed as a hazardous substance under 40 CFR 302.4.
SARA TITLE III	:	311 / 312 Hazardous Categories: None. 313 Reportable Ingredients: None.
TSCA	:	This product or components of this product are listed on the TSCA Inventory.
CALIFORNIA PROPOSITION 65	:	Some chemical compounds listed by the State of California under Proposition 65 may naturally be present in this product. No testing has been done for Proposition 65 listed chemical compounds.
OTHER	:	Consult with local authorities to determine if there may be other local reporting requirements.
HMIS Ratings	:	Health: 1 Flammability: 0 Reactivity: 0 Personal Protection: 0

16. Other information**List of references**

Other information	:	Comply with national laws regulating employee instruction
Revision date	:	08 Feb 2018
Supersedes revision dated	:	30 March 2017
Reason for revision	:	New company logo, revised Legend
Key	:	N/A – Not Applicable NE – Not Established

IMPORTANT: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the time of publishing. The information given is designed only as a guidance for safe handling, use processing, storage, transportation, disposal and release and is not considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Legend

ASTM	American Society for Testing and Materials
CAS	Chemical Abstract Services
CFR	Code of Federal Regulations
EINECS	European Inventory of Existing Commercial Chemical Substances
EC50	Half maximal effective concentration
GHS	Globally Harmonized System
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
ISO	International Organization for Standardization
LOAEL	Lowest observed adverse effect level
LOEL	Lowest observed effect level
NIOSH	National Institute for Occupational Safety and Health
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
NOEL	No observed effect level
OEL	Occupational Exposure Limit
OSHA	Occupational Safety and Health Administration
PBT	Persistent, Bioaccumulative, toxic
RCRA	Resource Conservation and Recovery Act
REACH	Regulation for Registration, Evaluation, Authorisation and Restriction of Chemicals: EU regulation 1907/2006
SARA	Superfund Amendments and Reauthorization Act
SVHC	Substances of Very High Concern
TSCA	Toxic Substances Control Act
STOT	Specific Target Organ Toxicity
SVHC	Substances of Very High Concern
VPvB	Very persistent, very Bioaccumulative
VOC	Volatile Organic Compounds
WGK	Water Hazard Class