Chem-Posite™ 11C-450

SAFETY DATA SHEET

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

1.1 Product Identifier:

Trade Name : ***Chem-Posite™ 11C-450***

1.2 Recommended use of the chemical and restrictions on use

Recommended Use : Industrial Use

Non-recommended Use : None known

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			NON-EMERGENCY TELEPHONE:
CHEMTREC	1-800-424-9300	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
	Wood Pulp and Tissue	86 – 20
9033-79-8 or 9003-04-7	Poly (Acrylic Acid), Partial Sodium Salt	10 - 56
	Polyolefins	0 - 5

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	:	Remove polyacrylate absorbent dust from skin using soap and water.
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 : No known symptoms to date.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures

5.1 Extinguishing Media

Suitable media	:	Foam, carbon dioxide, dry powder, water fog. Extremely slippery conditions are created if spilled product comes in contact with water.
Unsuitable media	:	Full water jet

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. Residuals maybe flushed with water into the drain for normal wastewater treatment. 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.

Storage

Store in a dry, closed container.

8. Exposure controls/personal protection

8.1 Control parameters

This product is not regulated as a hazardous material and it contains no substances with occupational exposure limit values (US). However, there is the potential for respiratory tract irritation as a result of inhalation of this material as a respirable dust and an 8 hour exposure limit of 0.05 mg/m³ is recommended.

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 is particulate concentration in the work area exceeds 0.05 mg/m³ 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	:	No data available
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)	:	No data available
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

10. Stability and reactivity

NFPA Ratings	:	Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic Hazard

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

None known.

10.6 Hazardous decomposition products

None with proper storage and handling.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity (oral)	:	LD_{50} rat Dose: > 2,000 mg/kg Method: Limit test
Acute toxicity (inhalation)	:	No data available
Acute toxicity (dermal)	:	No data available
Irritation/corrosion of the skin	:	None
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/m³ and 0.8 mg/m³. Also, at 0.8 mg/m³, 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/m³.
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 observed or have come to our knowledge

US. National Toxicology Program (NTP) Report on Carcinogens

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

US. IARC Monographs on Occupational Exposures to Chemical Agents

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

US. ACGIH Threshold Limit Values

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH

12. Ecological information

12.1 Toxicity

Aquatoxicity, fish	:	No data available
Aquatoxicity invertebrates	:	No data available
Aquatoxicity, 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 information

Canada:

This product has been classified in accordance with the hazard criteria of the controlled Products Regulation and the (M)SDS contains all information required by the Controlled Products Regulation

Canada	:	WHMIS Classification Not rated This product does not contain components on the WHMIS Ingredient Disclosure List

US Regulations

SARA Title III Section 311/312 Hazard categories	:	No SARA Hazards
Other regulations	:	None

State Right to Know	:	SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313 SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302 ZUSPA_RTK: No components subject to “Right-to-know” legislation in the following states: PA ZUSMA_RTK: No components subject to “Right-to-know” legislation in the following states: MA ZUSNJ_RTK: No components subject to “Right-to-know” legislation in the following states: NJ
US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)	:	This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other harm.
TSCA (USA)	:	Listed/registered or exempted
DSL (CDN)	:	Listed/registered or exempted
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
Supercedes revision dated	:	23 July 2015
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