

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

1.1 Product Identifier:

Trade Name : **LiquiBlock™ WHS 1**

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: : CHEMTREC 1-800-424-9300
(24 hours a day, 7 days a week) : COMPANY CODE: EMTE

NON-EMERGENCY TELEPHONE: : (336)-851-9097

2. Hazard Identification

2.1 Classification of the substance or mixture

This product is not hazardous as defined in 29 CFR 1910.1200

2.2 Label elements

N/A

2.3 Other Hazards

None known

3. Composition/Information on Ingredients

3.1 Substances

Substance Name	CAS number	% Composition
2-Propenoic acid, homopolymer, sodium salt	9003-04-7	≥ 90 - ≤ 100

3.2 Mixtures

N/A

4. First Aid Measures

4.1 Description of first aid measures

Eyes : In case of contact with eyes rinse thoroughly with plenty of water. If symptoms persist, seek medical advice

Skin : In case of contact with skin wash off with soap and water.

Ingestion : Thoroughly clean the mouth with water. In the event of symptoms seek medical advice.

Inhalation : Ensure supply of fresh air. In the event of symptoms seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No acute or chronic hazards or effects are known

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 spray.

Unsuitable media : Full water jet.

5.2 Hazardous Combustion Products

In the event of fire, the following can be released: Carbon monoxide and carbon dioxide. Carbon monoxide can displace oxygen and act as an asphyxiant in poorly ventilated spaces.

5.3 Fire Fighting Instructions

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

Spilled material can cause a slipping hazard. Clean up immediately and dispose of properly. Wear appropriate personal protective equipment.

6.2 Environmental precautions

Do not allow to enter drains or waterways. Do not discharge in to the soil/subsoil.

6.3 Methods and material for containment and cleaning up

Containment Procedures

No specific procedures.

Clean up procedures

Pick up mechanically

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	:	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/fumes/aerosols. Avoid contact with eyes and skin.

7.2 Conditions for safe storage, including any incompatibles

Prevention of fire and explosion

Avoid contact with any potential sources of ignition.

Storage

The product is to be stored in a dry, well ventilated area with temperatures lower than 40°C, away from direct sunlight and heat sources to avoid product degradation or combustion.

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).

8.2 Exposure controls

Engineering controls

N/A

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	:	Wear clothing appropriate to prevent skin contact.
Respiratory protection	:	In case of formation of vapors/dusts: Short term: filter apparatus, Filter P1

9. Physical and chemical properties

9.1 Information on the basic physical and chemical properties

Physical State:	:	Solid
Form	:	Granular
Appearance	:	White
Odor	:	Odorless
Odor Threshold	:	No data available
pH	:	5.5 – 6.5 (22°C) 1.0g/l
Melting Point	:	>390°F
Boiling Point	:	N/A
Flash Point	:	N/A
Evaporation Rate	:	<1.0
Flammability	:	No data available
Upper Explosion/ Ignition Limit	:	Not Measured
Lower Explosion Limit	:	Not Measured
Vapor Pressure	:	<13 hPa
Relative Vapor Density	:	No data available
Relative Density	:	No data available
Specific Gravity	:	N/A
Solubility	:	Insoluble
Water Solubility	:	Insoluble
Partition Coefficient (n-octanol/water)	:	No data available
Autoignition Temperature	:	Not measured
Thermal Decomposition	:	Not measured
Viscosity, kinematic	:	N/A
Viscosity, dynamic	:	No data available

9.2 Other information

Density	:	0.600 g/cm ³ (25°C)
Bulk Density	:	No data available
Volatile Organic compounds	:	This product does not contain any chemicals listed under the US Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489) This product does not contain any VOC exemptions listed under the US Clean Air Act Section 450

10. Stability and reactivity

HMIS Ratings:

Health	:	1
Flammability	:	0
Reactivity	:	0
Personal Protection	:	

10.1 Reactivity

See section 10.3 below.

10.2 Chemical stability

The product is stable under normal conditions.

10.3 Possibility of hazardous reaction

Risk of dust explosions.

10.4 Conditions to avoid

None known.

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)	:	No data available
Acute toxicity (inhalation)	:	No data available
Acute toxicity (dermal)	:	No data available
Irritation/corrosion of the skin	:	No data available
Serious eye damage/ eye irritation	:	No data available
Respiratory/skin sensitization	:	No data available
Repeated dose toxicity	:	No data available
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 aspiration toxicity classification
Other information	:	Proper use provided, no adverse health effects have been observed or have come to our knowledge.

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 : No data available

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 : This product is considered to be a weak water pollutant. Do not allow to enter soil, waterways or waste water canal.

12.7 Additional information

Additional information : N/A

13. Disposal considerations

13.1 Waste treatment methods

Product	:	In accordance with local authority regulations, take to special waste incineration plant.
Contaminated packaging	:	If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.
General	:	N/A

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

US Federal Regulations:

SARA Title III, Section 302 : No SARA hazards

SARA Title III, Section 304 : No SARA hazards

SARA Title III, Section 311/312 : No SARA hazards

SARA Title III, Section 313 : No Sara hazards

US. EPA CERCLA
Comprehensive Environmental Response,
Compensation, and Liability Act : This material does not contain any components with a CERCLA requirement.

Toxic Substances Control Act (TSCA): : Components of these products are on the TCSA inventory.

Clean Air Act (Hazardous Air Pollutants) : The products do not contain any hazardous air pollutants as defined by US Clean Air Act sec. 112

Clean Air Act (Hazardous Air Pollutants) : This product does not contain any hazardous air pollutants as defined by 40 CFR 61.112

Clean Air Act (Hazardous Air Pollutants) : This product does not contain any hazardous air pollutants as listed under the US Clean Air Act sec. 112(r)

Clean Water Act : This product does not contain any hazardous substances listed under the US Clean Water Act sec. 311

Clean Water Act : This product does not contain any hazardous substances listed under the US Clean Water Act sec. 311 table 117.3

Clean Water Act : This product does not contain any hazardous substances listed under the US Clean Water Act sec. 307

US State Regulations:

California Proposition 65 : The products do not appear of the Proposition 65 list(s).

Pennsylvania Worker and Community Right-to-know act : No components are subject to the Pennsylvania right-to-know act.

Massachusetts Commonwealth Right-to-know act : No components are subject to the Massachusetts right-to-know act.

New Jersey Worker and community Right-to-know act : No components are subject to the New Jersey right-to-know act.

Canadian Regulations:

Domestic Substances List (DSL) : This product is listed on the Canadian DSL

Workplace Hazardous Materials Information System (WHMIS) : This product does not contain components on the WHMIS ingredient disclosure list.

European Regulations:

None

16. Other information

List of references

Other information	:	Comply with national laws regulating employee instruction
Revision date	:	09/18/2018
Supersedes revision dated	:	N/A
Reason for revision	:	New SDS
Key	:	N/A – Not Applicable

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

29 CFR 1910.1200	:	Occupational Safety and Health Standards of the US Government
40 CFR	:	Title 40 of the Code of Federal Regulations (CFR) establishes guidelines through which the nation's environment is constantly evaluated and protected from deterioration.
CAS	:	Chemical Abstract Services
CERCLA	:	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	:	Code of Federal Regulations
DSL	:	(Canada) Domestic Substances List
HMIS	:	Hazardous Materials Identification System
MSHA	:	Mine Safety and Health Association
NFPA	:	National Fire Prevention Association
NIOSH	:	National Institute for Occupational Safety and Health
OEL	:	Occupational Exposure Limit
OSHA	:	Occupational Safety and Health Administration
PBT	:	Persistent, Bioaccumulative and Toxic
REACH	:	Regulation for Registration, Evaluation, Authorisation and Restriction of Chemicals: EU regulation 1907/2006
SARA	:	Superfund Amendments and Reauthorization Act
SBS	:	Styrene-Butadiene-Styrene
STOT	:	Specific Target Organ Toxicity
SVHC	:	Substances of Very High Concern
TSCA	:	Toxic Substances Control Act
UN	:	United Nations
vPvB	:	Very Persistent and Very Bioaccumulative
WHMIS	:	(Canada) Workplace Hazardous Materials Information System