
SAFETY DATA SHEET

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

1.1 Product Identifier:

Trade Name : **NW3Ev2**

1.2 Recommended use of the chemical and restrictions on use

Recommended Use : Cable tape

Non-recommended Use : None

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

See section 3.2 below.

3.2 Mixtures

This product is not hazardous as defined in 29 CFR 1910.1200

Substance name	CAS number	Content
Polyester based nonwoven cloth	N/A	N/Av
Polyacrylic acid, Sodium Salt	9033-79-8	N/Av

4. First Aid Measures

4.1 Description of first aid measures

Eyes	:	Dust: Flush eyes with water, obtain medical assistance if irritation persists. Mechanical injury: Obtain medical assistance.
Skin	:	No first aid measures normally required. Wash skin with soap and water.
Ingestion	:	No first aid measures normally required.
Inhalation	:	No first aid measures normally required.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	:	Although not regulated as a hazardous material, the respirable dust is potential respiratory tract irritant. An eight-hour exposure limit of 0.05 mg/m ³ is recommended.
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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	:	Dry chemical, foam, carbon dioxide, and water fog
Unsuitable media	:	N/A

5.2 Hazardous Combustion Products

Above 200 °C, thermal decomposition may occur that could release toxic byproducts, organic derivatives, and carbon oxides.

5.3 Fire Fighting Instructions

Recommend self-contained breathing apparatus for serious fires. Products of combustion are the same as ordinary combustibles. Carbon, carbon dioxide, carbon monoxide; emits dense smoke when burned. Above 200°C thermal decomposition giving toxic by-products, organic derivatives, carbon oxides can occur.

CAUTION: The material becomes slippery if flushed or in contact with water.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid respirable dust inhalation during clean up. Wear appropriate respirator. Extremely slippery conditions are created if spilled product comes in contact with water.

6.2 Environmental precautions

No specific measures. Material should be recovered and placed in suitable container for recycle or disposal under local regulatory requirements. Avoid generating dust.

6.3 Methods and material for containment and cleaning up

Containment Procedures

Sweep or vacuum material when possible and shovel into a waste container. Wear appropriate respiratory protective equipment where dusts are a concern.

Clean up procedures

Material can be swept, shoveled, or vacuumed using suitable equipment. Use caution after contact of product with water, as extremely slippery conditions will result. 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 : Observe normal industrial hygiene.

Hygiene : Wash hands before breaks and after work. Do not eat, drink or smoke when working. Remove soiled 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 contact with any potential sources of ignition.

Storage

Keep material in a dry location and sealed to minimize water absorption before use. Avoid storing near strong oxidizers. Avoid sources of ignition. Use caution when stacking to avoid unstable conditions. Store at temperatures below 140 °F.

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). The potential for respiratory tract irritation exists and an eight-hour dust 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 over an eight-hour period.

Personal protective equipment

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

Eye protection	:	Safety glasses with side shields or goggles are recommended.
Hand protection	:	Use gloves when necessary in the manufacturing environment.
Body protection	:	Wear clothing appropriate to prevent skin contact.
Respiratory protection	:	Wear respirator with a high efficiency filter if particulate concentration (<10 μ) in the work area exceeds 0.05 mg/m ³ over an eight hour time period.

9. Physical and chemical properties

9.1 Information on the basic physical and chemical properties

Physical State:	:	Solid: cloth tape
Form	:	Rolls or spools
Appearance	:	White to Ivory
Odor	:	No data available
Odor Threshold	:	No data available
pH	:	Slightly less than 7.0
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	:	No data available
Solubility	:	Not measured
Water Solubility	:	Insoluble: 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

N/A

10. Stability and reactivity

HMIS Ratings : Health: 1 Flammability: 1 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. Store protected from moisture. Keep away from heat and sources of ignition. Material swells in contact with water.

10.3 Possibility of hazardous reaction

Strong oxidizing agents.

10.4 Conditions to avoid

Keep away from heat and sources of ignition.

10.5 Incompatible materials

Avoid contact with strong oxidizing agents, open flames or heat sources.

10.6 Hazardous decomposition products

Temperatures above 200°C will result in thermal decomposition giving toxic byproducts; organic vapors, carbon monoxide, carbon dioxide, unknown hydrocarbons.

11. Toxicological information

11.1 Information on toxicological effects (of Sodium Polyacrylate CAS# 9033-79-8)

Acute toxicity (oral)	:	LD ₅₀ rat > 2000 mg/kg ¹
Acute toxicity (inhalation)	:	No data available
Acute toxicity (dermal)	:	No data available
Irritation/corrosion of the skin	:	Not an irritant (human, rabbit) ¹
Serious eye damage/ eye irritation	:	Not an irritant (rabbit) ¹
Respiratory/skin sensitization	:	Non-sensitizing (rat) ¹
Repeated dose toxicity	:	No data available
Genotoxicity in vitro	:	Non-mutagenic ¹
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	:	Dust may cause eye, nasal, or bronchial irritation
Other information	:	Chronic inhalation exposure to rates for a lifetime (two years) using sodium polyacrylate micronized to respirable particle size (< 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 .

¹ data of contracted outside laboratory

11.2 Information on toxicological effects (Polyester based nonwoven cloth)

Based on primary dermal irritation human skin patch tests on a similar product, negligible dermal irritation is expected. No animal toxicity studies have been carried out on this cloth.

12. Ecological information

Toxicity (of Sodium Polyacrylate CAS# 9033-79-8)

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

12.1 Persistence and degradability

Photodegradation	:	No data available
Biological degradability	:	No data available

12.2 Bioaccumulative potential

Bioaccumulation : No data available

12.3 Mobility in soil

Environmental distribution : Immobile; >90% retention

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

PBT and vPvB assessment : No data available

12.5 Other adverse effects

General Information : N/A

12.6 Additional information

Additional information : N/A

13. Disposal considerations

13.1 Waste treatment methods

Product	:	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	:	Dispose of 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

US Regulations:

This product is not federally regulated as a hazardous material.

PROPOSITION 65: California Safe Drinking Water and Toxic Enforcement Act of 1986	:	This product contains trace levels of 1,4 Dioxane (CAS # 123-91-1) which is known to the state of California to cause cancer. This product contains trace levels of Ethylene oxide (CAS # 75-21-8) which is known to the state of California to cause cancer, birth defects, or reproductive harm.
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MSL: Massachusetts Right-to-Know Hazardous Substance List	:	This product contains trace levels of 1,4 Dioxane (CAS # 123-91-1), Ethylene oxide (CAS # 75-21-8), Ethanol (CAS # 64-17-5), Isopropanol (CAS # 67-63-0), and Methyl methacrylate (CAS # 80-62-6), contributed by additives in the fabric.
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New Jersey Right-to-Know Hazardous Substance List:	:	This product contains trace levels of 1,4 Dioxane (CAS # 123-91-1), Ethylene oxide (CAS # 75-21-8), Ethanol (CAS # 64-17-5), Isopropanol (CAS # 67-63-0), and Methyl methacrylate (CAS # 80-62-6), contributed by additives in the fabric.
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Canadian Regulations:

This product is not federally regulated as a hazardous material.

European Regulations:

This product is not federally regulated as a hazardous material.

16. Other information

List of references

Other information	:	Comply with national laws regulating employee instruction
Revision date	:	08 Feb 2018
Supercedes revision dated	:	22 Jan 2018
Reason for revision	:	New company logo, revised Legend
Key	:	N/A = Not Applicable N/Av = Not Available

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

