


## Safety Data Sheet

### 1. IDENTIFICATION

<b>Product Identifier</b>	<b>FluidSAP 100</b>
<b>Other means of identification</b>	
<b>Synonyms</b>	Sodium polyacrylate, crosslinked
<b>Manufacturer/Importer/Supplier/Distributor Information</b>	
<b>Manufacturer</b>	
<b>Address</b>	Fluid Tech LLC 146 Industrial Park Road Sweetwater, TN 37874 USA
<b>Telephone</b>	(800) 995-5691
<b>Facsimile</b>	(800) 994-8561
<b>Website</b>	<a href="http://www.fluidtechllc.com">www.fluidtechllc.com</a>
<b>Email address</b>	info@fluidtechllc.com
<b>Emergency Phone</b>	(865) 809-9995
<b>Recommended Use</b>	Granular absorbent material.
<b>Recommended Restrictions</b>	None known.

### 2. HAZARD(S) IDENTIFICATION

<b>Physical hazards</b>	May cause eye, skin and respiratory irritation.
<b>Health hazards</b>	All materials present an inhalation risk and should be treated as a nuisance dust per the American Conference of Governmental Industrial Hygienists (ACGIH). An 8-hour exposure limit of 0.05 mg/m <sup>3</sup> is recommended due to the potential for respiratory tract irritation.
<b>Environmental hazards</b>	Not classified.
<b>OSHA defined hazards</b>	None.
<b>Label elements</b>	
<b>Pictograms</b>	
<b>Signal words</b>	Warning!
<b>Hazard statement</b>	Low hazard for usual industrial or commercial handling and use by trained personnel.
<b>Precautionary statement</b>	
<b>Prevention</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	If exposed or concerned: Get medical advice/attention.

<b>Storage</b>	This product is not combustible per NFPA. In case of fire, use appropriate media to extinguish. Keep product in dry and sealed containers to avoid moisture uptake.
<b>Disposal</b>	Dispose of contents/container in accordance with related regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	Material can be slippery when wet.
<b>Supplemental information</b>	None.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substances

Chemical name	Common name and synonyms	CAS number	%
Sodium polyacrylate, crosslinked	Acrylic acid polymer, sodium salt	9003-04-7	>95

### 4. FIRST-AID MEASURES

<b>Inhalation</b>	If inhaled, remove to a dust free area with fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult. Inhalation may aggravate existing respiratory illness. In case of unconsciousness, place patient stably in side position before transporting.
<b>Skin contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth with water and drink water. Get medical attention if symptoms occur. If ingestion of a large amount does occur, seek medical attention.
<b>Most important symptoms/effects, acute and delayed</b>	Not applicable.
<b>Indication of immediate medical attention and special treatment needed</b>	Not applicable.
<b>General information</b>	No hazards which require special first aid measures. Material can be slippery when wet.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder.
<b>Unsuitable extinguishing media</b>	Carbon dioxide (CO <sub>2</sub> ). Water jet. Use fire-extinguishing media appropriate for surrounding materials.
<b>Specific hazards arising from the chemical</b>	Material can be slippery when wet.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

<b>Fire fighting equipment/instructions</b>	In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. In case of fire and/or explosion do not breathe fumes.
<b>General fire hazards</b>	None known. Product is non-flammable. Product is not an explosion hazard.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures</b>	Local exhaust. Normal room ventilation. Material can be slippery when wet. Use caution to avoid falls.
<b>Methods and materials for containment and cleaning up</b>	Sweep or vacuum materials and transfer to a container for recovery or disposal. Keep containers sealed to avoid moisture uptake.
<b>Environmental precautions</b>	No special environmental precautions required.

## 7. HANDLING AND STORAGE

<b>Precautions for safe handling</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with eyes. Avoid prolonged exposure to skin. Material is slippery when wet.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in a dry area. Keep containers sealed to avoid moisture uptake.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep out of the reach of children. Do not allow water to contact the product until time of use to preserve product utility.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Occupational exposure limits</b>	There are no exposure limits noted for this material. However, an 8-hour exposure limit of 0.05 mg/m <sup>3</sup> is recommended due to the potential for respiratory tract irritation.
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Exposure guidelines</b>	Occupational exposure to nuisance dust (total and respirable) should be monitored and controlled.
<b>Appropriate engineering Controls</b>	Normal ventilation is sufficient.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Wear safety glasses with side shields. Use tight fitting goggles if dust is generated.
<b>Skin protection</b>	
<b>Hand protection</b>	Wear appropriate gloves to minimize skin contact.
<b>Other</b>	Wear suitable protective clothing. Normal work clothing (long sleeved shirts and long pants) is recommended.
<b>Respiratory</b>	If engineering controls do not maintain airborne concentrations

<b>protection</b>	below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.
<b>Thermal hazards</b>	Not applicable.
<b>General hygiene considerations</b>	Do not breathe dust. When using, do not eat, drink or smoke. Avoid contact with eyes. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Granules/crystals
<b>Physical state</b>	Solid
<b>Form</b>	Granules/crystals
<b>Color</b>	White
<b>Odor</b>	Odorless
<b>Odor threshold</b>	Not applicable
<b>pH</b>	5.0 – 6.5
<b>Melting point/freezing point</b>	> 190° C
<b>Initial boiling point and boiling range</b>	Not applicable
<b>Flash point</b>	Not applicable
<b>Evaporation rate</b>	< 1.0
<b>Flammability (solid, gas)</b>	Not applicable
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit – lower (%)</b>	Not applicable
<b>Flammability limit - upper (%)</b>	Not applicable
<b>Explosive limit - lower (%)</b>	Not applicable
<b>Explosive limit - upper (%)</b>	Not applicable
<b>Vapor pressure</b>	< 10 mm Hg
<b>Vapor density</b>	Not applicable
<b>Relative density</b>	Not available
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Insoluble
<b>Auto-ignition temperature</b>	Not applicable
<b>Decomposition temperature</b>	> 200° C
<b>Viscosity</b>	Not applicable
<b>Other information</b>	
<b>Percent volatile</b>	0% estimated
<b>Specific gravity</b>	0.4 - 0.7

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.



<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use. Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Exposure to moisture. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Minimize dust generation and accumulation.
<b>Incompatible materials</b>	None known.
<b>Hazardous decomposition products</b>	No dangerous reaction known under conditions of normal use.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

<b>Inhalation</b>	Inhalation of dusts may cause respiratory tract irritation. Prolonged inhalation may be harmful.
<b>Skin contact</b>	No adverse effects due to skin contact are expected. However, prolonged exposure may cause skin irritation.
<b>Eye contact</b>	Dust in the eyes will cause irritation.
<b>Ingestion</b>	Expected to be a low ingestion hazard.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Individuals with respiratory disease, including but not limited to asthma and bronchitis, or subject to eye irritation, should not be exposed to dust.

**Information on toxicological effects**

**Acute toxicity**

Product	Species	Test Results
FluidSAP 100		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rat	>2,000 mg/kg, 24 hours estimated
<i>Inhalation</i>		
LC50	Rat	>2,000 mg/l estimated
<i>Oral</i>		
LD50	Rat	>2,000 mg/kg, 24 hours estimated

<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause irritation.
<b>Serious eye damage/eye irritation</b>	Dust in the eyes will cause irritation.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory Sensitization</b>	This product is not expected to cause respiratory sensitization.
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	None.
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ</b>	May cause respiratory irritation.

**toxicity – single exposure**

**Specific target organ toxicity - repeated exposure** May cause respiratory irritation. Prolonged/repeated exposure may worsen irritation.

**Aspiration hazard** Not available.

**Chronic effects** A chronic (two-year) lifetime inhalation study on rats with respirable super absorbent polymer dust (micronized to <10 microns) resulted in an unspecified inflammatory response in the lungs followed by tumor development in some rats in the highest chronic exposure level of 0.8 mg/m<sup>3</sup>. In the absence of chronic inflammation, tumors are not expected.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity** Not expected to be harmful to aquatic or terrestrial organisms. The product is not classified as environmentally hazardous.

Product	Species	Test Results
FluidSAP 100		
<b>Aquatic</b>		
<i>Algae</i>		
EC50	Selenastrum capricornutum (alga)	> 100 mg/l, 72 hours Growth rate
<i>Crustacea</i>		
EC50	Daphnia	> 100 mg/l, 48 hours OECD 202
NOEC	Daphnia	> 100 mg/l, 48 hours OECD 202
<i>Fish</i>		
LC50	Zebra danio (Danio rerio)	> 100 mg/l, 96 hours
NOEC	Zebra danio (Danio rerio)	> 100 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** Not inherently biodegradable.

**Bioaccumulative potential** No data available.

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

**13. DISPOSAL CONSIDERATIONS**

**Disposal instructions** Collect and reclaim or dispose/incinerate in sealed containers at licensed waste disposal site. Dispose/incinerate of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues/** Material should be recycled if possible.



**unused products** Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Dispose of in accordance with local regulations. Can be landfilled, when in compliance with local regulations.

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

**14. TRANSPORT INFORMATION**

**DOT** Not regulated as dangerous goods.  
**IATA** Not regulated as dangerous goods.  
**IMDG** Not regulated as dangerous goods.  
**Transport in bulk according To Annex II of MARPOL 73/78 and the IBC Code** Not applicable.  
**Other Transportation Information**  
**Labels** None.

**15. REGULATORY INFORMATION**

**US Federal Regulations**  
This product is not regulated as hazardous under 29 CFR and 49 CFR.  
**CERCLA Hazardous Substance List (40 CFR 302.4)**  
Not listed.  
**SARA 304 Emergency release notification**  
Not regulated.  
**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**  
Not listed.  
**Superfund Amendments and Reauthorization Act of 1986 (SARA)**  
**Hazard categories**  
Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No  
**SARA 302 Extremely hazardous substance**  
Not listed.  
**SARA 311/312 Hazardous chemical**  
No.  
**SARA 313 (TRI reporting)**  
Not regulated.  
**Other Federal Regulations**  
**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**  
Not regulated.  
**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**  
Not regulated.  
**Safe Drinking Water Act (SDWA)**



Not regulated.

**Toxic Substances Control Act (TSCA)**

Not regulated.

**US State Regulations**

Not regulated.

**International Inventories**

CEPA (Canada)	Domestic Substances List (DSL) - all substances listed or not required
WHMIS (Canada)	Not a controlled product
EINECS (Europe)	Conforms
ENCS (Japan)	Conforms
TSCA (United States)	Not listed

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**

**Issue date** October 31, 2017

**Revision date** None

**Version #** 0

**Further information** Hazard Rating: Health 1, Flammability 1, Reactivity 0

Hazard Scale: 0=Minimal, 1=Slight, 2=Moderate, 3=High, 4=Extreme, \*=Chronic hazard

**Disclaimer** The information in the sheet was written based on the best knowledge and experience currently available in regard to the product and current legal requirements and standards.

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**Revision Information** Address change.