



Material Safety Data Sheet

Last Revision: 05/07/2007

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SANTOWEB® W
MSDS NO. FLXP0049
Chemical Name: Treated Cellulose Fibers
Synonyms: Short Fiber Rubber Composite
Use: Reinforcing Agent
Manufactured By: Flexsys America L.P. 260 Springside Drive Akron OH 44333-2433 USA

Emergency Telephone: **CHEMTREC:** 1-800-424-9300 [TOLL FREE - USA and Territories]
703-527-3887 [ELSEWHERE - Collect Calls Accepted]
CANUTEC: 613-996-6666 [Canada]
SETIQ: 91-800-00-214 [Mexico]

Prepared By: Flexsys America Product Safety: Phone (330) 668-8281 FAX (330) 668-8345
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2. HAZARDS IDENTIFICATION

Emergency Overview: CAUTION! This material may cause transient skin and eye irritation. Burning material emits highly toxic vapors. Contains Polyvinyl Chloride (PVC) which may contain trace amounts of Vinyl Chloride Monomer - Suspect Carcinogen.

Eye Contact: May cause mild eye irritation. Mild Eye Irritation: signs/symptoms can include redness, swelling, pain and tearing.

Skin Contact: May cause mild skin irritation. Mild Skin Irritation (after prolonged or repeated contact): sign/symptoms can include redness, swelling and itching.

Inhalation: Not a hazard at normal temperatures. Vapors released at processing temperatures may cause mild respiratory tract irritation.

Ingestion: Practically non-toxic if swallowed. May act as obstruction if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Component | CAS-No | Weight % |
|--|------------|----------|
| Bleached Hardwood Pulp | 65996-61-4 | 75 - 77 |
| C7-C9 Alkyl Benzyl Phthalate Plasticiser | 68515-40-2 | 14 - 16 |
| Polyvinyl Chloride | 9002-86-2 | 6 - 8 |

4. FIRST AID MEASURES

In Eyes: Remove from source of exposure. Flush eyes with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention.

On Skin: Wash with soap and water. If irritation persists or signs of toxicity occur, seek medical attention.

Inhaled: Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

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**HARWICK STANDARD
DISTRIBUTION CORPORATION**
60 S. Seiberling Street • Akron, Ohio 44305

4. FIRST AID MEASURES

- Swallowed:** If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.
- Notes To Physician:** This product contains wood pulp. Ingestion could cause gastro-intestinal blockage.

5. FIRE FIGHTING MEASURES

- Flash Point (°F/C):** > 290°F / 143°C
Flash Point Method: Pensky-Martens Open Cup
Autoignition Temp. (°F/C): > 368°F / 187°C
Lower Explosion Limit (LEL): Not Determined
Upper Explosion Limit (UEL): Not Determined
- Extinguishing Media:** Use water fog, carbon dioxide, foam or dry chemical.
Special Exposure Hazards: Combustible. Fight fire from a safe distance and from a protected location. Use water spray to cool fire exposed surfaces. Sprinkler and/or deluge systems recommended for bulk storage areas. Decomposition in fire may produce toxic gases. Do not allow runoff to enter waterways.
- Special Protective Equipment:** Fire fighters should wear full impervious protective clothing, including self-contained breathing equipment.
- Unusual Fire/Explosion Hazards:** Minimum Ignition Energy [MIE] = 13 mJ. Fire produces carbon monoxide and carbon dioxide gases.

6. ACCIDENTAL RELEASE MEASURES

- Spill Procedures:** Wear gloves. Scoop, sweep or shovel solids and place in a closed container for proper disposal.
- Procedure for Cleaning/Absorption:** Isolate spill and stop leak where safe. Scoop up and remove material. Reuse if not contaminated.
- CERCLA Reportable Quantity (RQ):** Not Applicable

7. HANDLING AND STORAGE

- Handling:** Good hygienic practices should be observed. Work clothes should be washed separately at the end of each work day. Disposable clothing should be discarded with material. Avoid contact with eyes, skin and clothing. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Avoid contact with vapors from heated material. Keep container closed when not in use.
- Storage:** Store closed containers in a cool, dry, well-ventilated area. Avoid exposure to direct sunlight. Store away from foodstuffs and animal feeds. Do not double stack.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Eye Protection:** Wear safety glasses or goggles to protect against exposure. Wear eye protection appropriate to handling activities.
- Skin Protection:** Normal work coveralls. Launder contaminated clothing before reuse.
- Gloves:** Use gloves as a standard industrial handling procedure. All cleanable impervious glove types are acceptable.
- Respiratory Protection:** Use in a well ventilated area. Special respiratory protection is generally not needed under normal use and handling conditions. Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure.
- Ventilation:** General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits during the use of this product.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Airborne Exposure Limits: For Polyvinyl Chloride (based on Vinyl Chloride Monomer): OSHA PEL/8Hr TWA = 1 ppm STEL = 5 ppm.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Off-white to light gray fibers
Odor: SLIGHT to NONE
pH: Not Applicable
Specific Gravity: 1.4
Density: Approximately 1400 kg/m³ @ 25° C
Bulk Density: Approximately 500 kg/m³
Melting Point (°F/C): Not Applicable
Boiling Point (°F/C): Not Applicable
Vapor Pressure: Not Determined
Vapor Density (Air=1): Not Applicable
% Volatile by Volume: 1.5 - 5.0% (Heat Loss)
Solubility in Water: INSOLUBLE
Other Solubility: Not Determined
Viscosity: Not Applicable
Other Data: Ash Residue: 0.6% max
Molecular Weight: Mixture
Molecular Formula: Mixture

10. STABILITY AND REACTIVITY

Chemical Stability: Stable when stored at room temperature in closed, original container. Stable under normal conditions of handling, use and transportation.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Avoid storage conditions that may cause compaction. Do not double stack. Avoid excessive air and heat exposure.
Materials to Avoid: None known
Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide. Chlorine.
Additional Guidelines: None.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD50 (mg/kg): >7940 mg/kg (Rat)
Acute Dermal LD50 (mg/kg): >7000 mg/kg (Rabbit)
Acute Inhalation LC50 (mg/l): Not Tested

Target Organs / Principle Routes of Exposure: Dermal - skin. Eyes. **TARGET ORGANS or SYSTEMS:** None known.

Ingestion: Practically non-toxic if swallowed. May act as obstruction if swallowed.
Skin Contact: May cause mild skin irritation. Mild Skin Irritation (after prolonged or repeated contact): sign/symptoms can include redness, swelling and itching.
Inhalation: Not a hazard at normal temperatures. Vapors released at processing temperatures may cause mild respiratory tract irritation.
Eye Contact: May cause mild eye irritation. Mild Eye Irritation: signs/symptoms can include redness, swelling, pain and tearing.
Aggravated Conditions: No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product.
Carcinogenicity Comment: This product, or one of its ingredients present at 0.1% or more, is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC or OSHA. This product contains Polyvinyl Chloride which may contain very low levels of the suspected carcinogen Vinyl Chloride.

11. TOXICOLOGICAL INFORMATION

| | |
|---|--|
| Other Information: | Fumes from processing this material may irritate the eyes, skin, or respiratory tract. Use local ventilation above processing equipment. Avoid inhalation, skin, or eye contact with processing fumes. Wash thoroughly if exposed to processing fumes. |
| Primary Irritation Effect: | Practically non-irritating to skin and eyes. |
| Carcinogenicity: | For components tested individually: Negative in standard tests using bacteria and/or yeast cells. This product has not been tested as a mixture. |
| Genotoxicity: | For components tested individually: Negative for genetic activity - in vitro tests. Negative for genetic activity - in vivo tests. This product has not been tested as a mixture. |
| Reproductive/Developmental Toxicity: | This product has not been tested as a mixture. |

12. ECOLOGICAL INFORMATION

| | |
|------------------------------------|---|
| Acute Fish Toxicity: | Not Determined. Very low toxicity is expected based upon component information and negligible water solubility. |
| Acute Crustaceans Toxicity: | Not Determined. Low toxicity is expected based upon component information and negligible water solubility. |
| Acute Algae Toxicity: | Not Determined. Very low toxicity is expected based upon component information and negligible water solubility. |
| Octanol/Water Coefficient: | Not Determined. This product is a mixture. |
| Chemical Fate Information: | Not Determined. This material had not been tested as a blend. |
| Other Information: | This product is a mixture. Aquatic toxicology is based on component information. |

13. DISPOSAL CONSIDERATIONS

| | |
|----------------------------------|--|
| Disposal of Waste Method: | This product, if disposed as received, is a non-hazardous waste. If not contaminated, reuse product. Dispose in accordance with local regulations. |
| Contaminated Packaging: | Empty containers and/or packaging is not regulated as 'hazardous'. Dispose of container according to national or local regulations. |

14. TRANSPORT INFORMATION

| | |
|---------------------------------------|---------------|
| DOT: | Not Regulated |
| DOT Reportable Quantity (lbs): | None |
| ICAO/IATA: | See DOT |
| IMDG: | See DOT |
| Marine Pollutant: | No |
| TDG (Canada): | See DOT |
| Remarks: | None |

15. REGULATORY INFORMATION

Worldwide Inventory Status

| | |
|--|------------------------------------|
| USA (TSCA): | All components are listed. |
| Canada (DSL): | All components are listed. |
| Canada (NDSL): | Not Applicable. Listed on the DSL. |
| European Union (EINECS/ELINCS): | All components are listed. |
| Japan (ENCS): | All components are listed. |
| Korea (ECL): | All components are listed. |
| Australia (AICS): | All components are listed. |
| New Zealand (NZ): | Not Determined |
| Phillipines (PICCS): | All components are listed. |
| China (CLECS): | All components are listed. |

15. REGULATORY INFORMATION

US Regulatory Rules

SARA Section 302: Not Applicable / None
SARA 311/312 Hazard Categories: None
SARA 313 Chemical: Not Applicable / None
RCRA Status: Not a RCRA waste.

Other Regulations:

California Proposition 65: NONE
New Jersey Right-to-Know List: Component Polyvinyl Chloride. NJ Substance ID# 3662.
Reporting threshold = 500 pounds.
Pennsylvania Right to Know List: Not Applicable.
Florida Right to Know: Not Applicable.
Minnesota Right to Know: Not Applicable
Massachusetts Right to Know Law: Not Applicable.
FDA Status 21 CFR: Not Regulated For Use in food contact applications under 21 CFR.

Canadian Regulations

WHMIS Hazard Class: NON-CONTROLLED
NPRI: Not Applicable [Canada]

16. OTHER INFORMATION

Hazard Rating Systems:

HMIS Classification: HEALTH 1, FLAMMABILITY 1, REACTIVITY 0
NFPA Rating: HEALTH 1, FLAMMABILITY 1, REACTIVITY 0

The following has been revised since the last issue of this MSDS: New MSDS format.

Additional Information: Component Polyvinyl Chloride: Hazardous Air Pollutant (HAP) in the USA. Clean Air Act regulated substance. [USA]. Regional and national occupational exposure levels for Polyvinyl Chloride (PVC) dust do not apply to this product.

Important Note: This company makes no warranty regarding the safety of this product when used incorrectly. This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of the user.

END OF MSDS

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