


Material Safety Data Sheet
FLXP0047

Revision Date: 03/05/2004
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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SANTOWEB® W

MSDS NO. FLXP0047

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 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

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components/CAS#	Percent
Bleached Hardwood Pulp 65996-61-4	75-77
Butyl Benzyl Phthalate 85-68-7	14-16
Polyvinyl Chloride 9002-86-2	6-8

3. 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 contains Vinyl Chloride - Suspect Carcinogen.

Eye Contact: Fumes may cause irritation.

Skin Contact: Causes mild skin irritation. May cause a rash and itching of the skin.

Inhalation: Vapors given off by heated product may be harmful.

Ingestion: May act as obstruction if swallowed. Swallowing a relatively large amount of this material is unlikely to produce serious illness or death.

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MARKETED BY
**HARWICK STANDARD
DISTRIBUTION CORPORATION**

60 S. Seiberling Street • Akron, Ohio 44305

4. FIRST AID MEASURES

In Eyes:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.
On Skin:	In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention. Remove contaminated clothing and launder before reuse. If irritation persists or signs of toxicity occur, seek medical attention.
Inhaled:	If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult. Have trained personnel administer oxygen.
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:	Treatment based on sound judgment of physician and individual reactions of patient.

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 in Air (LEL):	Not Determined.
Upper Explosion Limit in Air (UEL):	Not Determined.
Extinguishing Media:	Water fog, carbon dioxide, foam, dry chemical
Special Exposure Hazards:	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:	Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.
Unusual Fire/Explosion Hazards:	Toxic emissions may result if product is involved in a fire.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures:	Wear protective equipment. Sweep, vacuum or shovel and place in closable container for disposal.
Procedure for Cleaning/Absorption:	Isolate spill and stop leak where safe. Ventilate area. Scoop up and remove. Do NOT spread spilled product with water.
CERCLA Reportable Quantity (RQ):	654 lbs. contains a 100 lb. RQ for Butyl Benzyl Phthalate. 131 lbs. contains a 1 lb. RQ for Polyvinyl Chloride.

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 excessive storage temperature. Avoid contact with vapors from heated material. Keep containers tightly closed when not in use. Handle only in designated area. Do not reuse this container.
Storage:	Store closed containers in a cool, dry, well-ventilated area. Avoid exposure to direct sunlight. Do not double stack.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:	Wear safety glasses or goggles to protect against exposure.
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Skin Protection:	Normal work coveralls. Launder contaminated clothing before reuse.
Gloves:	All cleanable impervious glove types are acceptable. Use gloves as a standard industrial handling procedure.
Respiratory Protection:	Use in a well ventilated area. Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure. Firefighting; use a Positive Pressure Demand Full Face Self Contained Breathing Apparatus.
Ventilation:	General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits during the use of this product. If air is to be recirculated, it must be filtered properly. Use only in well ventilated area.
Airborne Exposure Limits:	For Dialkyl Phthalate Esters: OSHA PEL/8Hr TWA = 5 mg/m ³ . OSHA STEL = 10 mg/m ³ . ACGIH TLV/8Hr TWA = 5 mg/m ³ . ACGIH STEL = 10 mg/m ³ . For Polyvinyl Chloride: OSHA PEL/8Hr TWA = 1 ppm STEL = 5 ppm.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Off-white to light gray fibers
Odor:	SWEET
pH:	Not Applicable
Specific Gravity:	1.4
Density:	1400 kg/m ³ @ 25°C
Bulk Density:	500 kg/m ³
Melting Point (°F/C):	Not Applicable
Boiling Point (°F/C):	Not Applicable
Vapor Pressure:	Not Applicable
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. Not chemically reactive.
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Keep away from heat, sparks and flame. Exposure to heat and humidity. Do not double stack.
Materials to Avoid:	None known
Hazardous Decomposition Products:	Carbon monoxide. Carbon dioxide. Chlorine
Additional Guidelines:	Not Applicable

11. TOXICOLOGICAL INFORMATION

Target Organs	
Acute Oral LD50 (mg/kg):	>7945 mg/kg (Rat) Practically Non-Toxic
Acute Dermal LD50 (mg/kg):	>7000 mg/kg (Rabbit) Practically Non-Toxic
Acute Inhalation LC50 (mg/l):	Not Determined
Principle Routes of Exposure:	Dermal - skin. Eyes.

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Ingestion:	May act as obstruction if swallowed. Swallowing a relatively large amount of this material is unlikely to produce serious illness or death.
Skin Contact:	Causes mild skin irritation. May cause a rash and itching of the skin.
Inhalation:	Vapors given off by heated product may be harmful.
Eye Contact:	Fumes may cause irritation.
Aggravated Conditions:	Dermal ailments. Pulmonary disorders. Eye ailments.
Carcinogenicity Comment:	This product contains Polyvinyl Chloride which may contain very low levels of the suspected carcinogen Vinyl Chloride.
Other:	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:	Slightly irritating to skin and eyes.
Carcinogenicity:	Not Determined. This product has not been tested as a mixture.
Genotoxicity:	Not Determined. This product has not been tested as a mixture.
Reproductive/Developmental Toxicity:	Not Determined. This product has not been tested as a mixture.

12. ECOLOGICAL INFORMATION

Acute Fish Toxicity:	Acute aquatic toxicity not determined for this blend. Expected to be moderately toxic based on component information.
Acute Crustaceans Toxicity:	Acute aquatic toxicity not determined for this blend. Expected to be moderately toxic based on component information.
Acute Algae Toxicity:	This product is a mixture. Information on components suggests at least moderate toxicity to algae.
Octanol/Water Coefficient:	Not Determined. This product is a mixture.
Chemical Fate Information:	Not Determined. This product has not been tested as a mixture. Component information suggests at least moderate biodegradation can be expected.
Other Information:	This product is a mixture. Aquatic toxicology is based on component information. Some components exhibit at least moderate toxicity to various aquatic species.

13. DISPOSAL CONSIDERATIONS

Disposal of Waste Method:
This product, if disposed as received, is a non-hazardous waste. Bury in a licensed landfill or burn in an approved incinerator according to federal, state, and local regulations.

Contaminated Packaging:
If empty container retains product residues, all label precautions must be observed. Transport with all closures in place. Return for reuse or dispose according to national or local regulations. Do NOT reuse container.

14. TRANSPORT INFORMATION

DOT:DOT Status:	US Domestic shipments in packages containing RQ amount, and for ALL shipments via water.
DOT Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (CONTAINS BUTYL BENZYL PHTHALATE), 9, UN3077, III
DOT Reportable Quantity (lbs):	Containers of 654 lbs. contain a 100 lb. RQ for Butyl Benzyl Phthalate.
ICAO/IATA:Status:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, NOS, (CONTAINS BUTYL BENZYL PHTHALATE), 9, UN3077, III
Proper Shipping Name:	See DOT
UN/NA Number:	UN3077
IMDG:Status:	MARINE POLLUTANT

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Proper Shipping Name: See DOT
TDG (Canada):Status: See DOT
Proper Shipping Name: See DOT

15. REGULATORY INFORMATION

Worldwide Inventory Status

TSCA (USA): All components are listed.
Canadian DSL: All components are listed.
Canadian NDSL: Not Applicable. Listed on the DSL.
EINECS/ELINCS (Europe): All components are listed.
Japanese Inventory (ENCS): All components are listed.
Korean Chemical Inventory (ECL): All components are listed.
Australian Chemical Inventories (AICS): All components are listed.
New Zealand (NZ): All components are listed.
Phillipines (PICCS) Inventory: All components are listed.
China (CLECS): All components are listed.
US Regulatory Rules
SARA Section 302: None Found
SARA 311/312 Hazard Categories: Immediate
SARA 313 Chemical: Not Applicable / None
RCRA Status: Not a RCRA waste. Component Butyl Benzyl Phthalate (category Phthalate Esters) is a RCRA Hazardous Constituent in leachate, wastewater and non-wastewater.

Other Regulations:

California Proposition 65: NONE
New Jersey Right-to-Know List: Component Butyl Benzyl Phthalate. Component Polyvinyl Chloride.
Pennsylvania Right to Know List: Component Butyl Benzyl Phthalate.
Florida Right to Know: Component Butyl Benzyl Phthalate.
Minnesota Right to Know: Component Butyl Benzyl Phthalate.
MA Right to Know Law: Component Butyl Benzyl Phthalate.

FDA Status 21 CFR: Not Regulated For Use in food contact applications under 21 CFR.

Canadian Regulations

WHMIS Hazard Class: D2B TOXIC MATERIALS / Materials Causing Other Toxic Effects
NPRI: Component Butyl Benzyl Phthalate. NPRI Part 1, Group 1, ID# 37.

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:

Addition of USA State-specific Right-to-Know information. Add environmental information. Periodic worldwide chemical regulatory status review. Add PICCS (Phillipines Chemical Inventory) listing. Add China Chemical Inventory information.

Additional Information:

WHMIS Ingredient Disclosure List (Canada). Component Butyl Benzyl Phthalate: WHMIS Concentration threshold = 1%. Guidelines for Canadian Drinking Water substance. Safe Drinking Water Act regulated substance [USA]. Clean Water Act regulated substance [USA]. Component Polyvinyl Chloride: Hazardous Air Pollutant (HAP)[USA].

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Important Note:

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*****END OF MSDS*****



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