

Revision Date: Date of Printing: 03/05/2004 03/05/2004

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:

SANTOWEB® W

MSDS NO.

FLXP0047

Chemical Name: Synonyms:

Treated Cellulose Fibers 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)

SETIQ:

CANUTEC: 613-996-6666 (Canada) 91-800-00-214 (Mexico)

Prepared By:

Flexsys America Product Safety Phone (330) 668-8281 FAX (330) 668-8345

COMPOSITION/INFORMATION ON INGREDIENTS 2.

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

HAZARDS IDENTIFICATION 3.

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.

Eve Contact:

Fumes may cause irritation.

Skin Contact:

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

Inhalation:

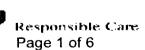
Vapors given off by heated product may be harmful.

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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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): Upper Explosion Limit in Air (UEL): Not Determined. 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 seperately 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.



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/m3. OSHA STEL = 10 mg/m3.

ACGIH TLV/8Hr TWA = 5 mg/m3. ACGIH STEL = 10 mg/m3. 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/m3 @ 25°C

Bulk Density: 500 kg/m3
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. None known

Materials to Avoid: None known
Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide. Chlorine

Additional Guidelines: Not Applicable

11. TOXICOLOGICAL INFORMATION

Target Organs

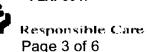
Acute Oral LD50 (mg/kg):
Acute Dermal LD50 (mg/kg):

>7945 mg/kg (Rat) Practically Non-Toxic >7000 mg/kg (Rabbit) Practically Non-Toxic

Acute Inhalation LC50 (mg/l):
Principle Routes of Exposure:

Not Determined Dermal - skin. Eyes.

FLXP0047



May act as obstruction if swallowed. Swallowing a relatively large amount of this Ingestion:

material is unlikely to produce serious illness or death.

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

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

Eye Contact: Fumes may cause irritation.

Dermal ailments. Pulmonary disorders. Eye ailments. **Aggravated Conditions:**

Carcinogenicity Comment: This product contains Polyvinyl Chloride which may contain very low levels of the

suspected carcinogen Vinyl Chloride.

Fumes from processing this material may irritate the eyes, skin, or respiratory Other:

> tract. Use local ventilation above processing equipment. Avoid inhalation, skin, or eve contact with processing fumes. Wash thoroughly if exposed to processing

fumes.

Primary Irritation Effect:

Slightly irritating to skin and eyes.

Carcinogenicity: Genotoxicity:

Not Determined. This product has not been tested as a mixture. 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 aquatic toxicity not determined for this blend. Expected to be moderately **Acute Fish Toxicity:**

toxic based on component information.

Acute aquatic toxicity not determined for this blend. Expected to be moderately **Acute Crustaceans Toxicity:**

toxic based on component information.

This product is a mixture. Information on components suggests at least moderate Acute Algae Toxicity:

toxicity to algae.

Not Determined. This product is a mixture. Octanol/Water Coefficient:

Not Determined. This product has not been tested as a mixture. Component Chemical Fate Information:

information suggests at least moderate biodegradation can be expected.

This product is a mixture. Aquatic toxicology is based on component information. Other Information:

Some components exhibit at least moderate toxicity to various aquatic species.

DISPOSAL CONSIDERATIONS 13.

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.

TRANSPORT INFORMATION 14.

US Domestic shipments in packages containing RQ amount, and for ALL **DOT:DOT Status:**

shipments via water.

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., **DOT Shipping Name:**

(CONTAINS BUTYL BENZYL PHTHALATE), 9, UN3077, III

DOT Reportable Quantity (lbs):

ICAO/IATA:Status:

Containers of 654 lbs. contain a 100 lb. RQ for Butyl Benzyl Phthalate. ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, NOS.

(CONTAINS BUTYL BENZYL PHTHALATE), 9, UN3077, III

Proper Shipping Name:

UN/NA Number:

See DOT UN3077

IMDG:Status:

MARINE POLLUTANT

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

15. REGULATORY INFORMATION

Worldwide Inventory Status

TSCA (USA): Canadian DSL: All components are listed. All components are listed.

Not Applicable. Listed on the DSL. All components are listed.

EINECS/ELINCS (Europe): Japanese Inventory (ENCS): Korean Chemical Inventory (ECL): **Australian Chemical Inventories**

All components are listed. All components are listed. All components are listed.

Canadian NDSL:

(AICS): New Zealand (NZ):

All components are listed. All components are listed. All components are listed.

China (CLECS):

US Regulatory Rules SARA Section 302:

None Found

SARA 311/312 Hazard Catagories:

Phillipines (PICCS) Inventory:

Immediate

SARA 313 Chemical:

Not Applicable / None

RCRA Status:

Not a RCRA waste. Component Butyl Benzyl Phalate (category Phthalate Esters) is a RCRA Hazardous Constituent in leachate, wastewater and non-wastewater.

Other Regulations:

California Proposition 65:

NONE

New Jersev Right-to-Know List: Pennsylvania Right to Know List: Component Butyl Benzyl Phthalate. Component Polyvinyl Chloride. Component Butyl Benzyl Phthalate.

Florida Right to Know: Minnesota Right to Know:

Component Butvi Benzvi Phthalate. 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: NPRI:

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

16. OTHER INFORMATION

Hazard Rating Systems:

HMIS Classification: NFPA Rating:

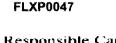
HEALTH 1, FLAMMABILITY 1, REACTIVITY 0 HEALTH 1, FLAMMABILITY 1, REACTIVITY 0

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

