


Material Safety Data Sheet
FLXP0046

Date of Printing: 12/15/2000

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SANTOWEB H

MSDS NO. FLXP0046

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) 668-8281

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components/CAS#	Percent
Bleached Hardwood Pulp 65996-61-4	65-70
RESIDUAL OILS (PETROLEUM), SOLVENT- REFINED 64742-01-4	10-13
Ethylene-Propylene Hydrocarbon Elastomer 25038-37-3	8-10
Resorcinol Homopolymer, Resorcinol-Formaldehyde Resin 65876-95-1	4-6
Carbon Black 1333-86-4	2-6
RESORCINOL 108-46-3	1-5

3. HAZARDS IDENTIFICATION

Hazard Information

Emergency Overview: CAUTION! This material may cause transient skin and eye irritation. Contains Carbon Black - Possible Human Carcinogen. Burning material emits highly toxic vapors.

FLXP0046



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Page 1 of 6

MARKETED BY
HARWICK STANDARD
DISTRIBUTION CORPORATION
60 S. Selberling Street • Akron, Ohio 44305

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.

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 laundry 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): >350°F / 176°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): 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 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

FLXP0046



Responsible Care

Page 2 of 6

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.

Components/CAS#	Percent	ACGIH 8 Hr. TWA	ACGIH TLV	OSHA 8 Hr. TWA	OSHA PEL
RESORCINOL 108-46-3	1-5	10 ppm TWA; 45 mg/m3 TWA		10 ppm TWA; 45 mg/m3 TWA	

Airborne Exposure Limits: OSHA PEL/8-Hr TWA: None Established.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black fibers
Odor: RUBBER
pH: N/A
Specific Gravity: Not Determined
Density: 1270 kg/m³
Bulk Density: 500 kg/m³
Melting Point (°F/C): N/A
Boiling Point (°F/C): N/A
Vapor Pressure: N/A
Vapor Density (Air=1): N/A
% Volatile by Volume: 0.75-3.5% (Heat Loss)
Solubility in Water: INSOLUBLE
Other Solubility: Not determined.
Viscosity: N/A
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 Oxides of sulfur
Additional Guidelines: Not Applicable

FLXP0046



Responsible Care

Page 3 of 6

11. TOXICOLOGICAL INFORMATION

Target Organs

Acute Oral LD50 (mg/kg): >11,000 mg/kg
Acute Dermal LD50 (mg/kg): >7940 mg/kg
Acute Inhalation LC50 (mg/l): Not determined
Principle Routes of Exposure: Dermal - skin. Eyes.

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 a component that is a carcinogen. Carbon Black [CAS# 1333-86-4].

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.

Carcinogenicity: Carbon Black - Group 2B.

Genotoxicity: Not determined

Reproductive/Developmental Toxicity: Not determined

12. ECOLOGICAL INFORMATION

Acute Fish Toxicity: Not determined

Acute Crustaceans Toxicity: Not determined

Acute Algae Toxicity: Not determined

Octanol/Water Coefficient: Not determined.

Chemical Fate Information: Not determined

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: Not Regulated

DOT Shipping Name: NONE

DOT Reportable Quantity (lbs): None

ICAO/IATA:Status: NONE

Proper Shipping Name: None

FLXP0046



Responsible Care

Page 4 of 6

UN/NA Number: NONE
IMDG:Status: Not Regulated
Proper Shipping Name: None
TDG (Canada):Status: Not Regulated
Proper Shipping Name: None

15. REGULATORY INFORMATION

Worldwide Inventory Status

TSCA (USA): All Listed
Canadian DSL: Listed
Canadian NDSL: N/A
EINECS/ELINCS (Europe): This product complies with EINECS.
Japanese Inventory (ENCS): Listed
Korean Chemical Inventory (ECL): This product complies with Korean Inventories.
Australian Chemical Inventories (AICS): This product and all its components comply with Australian inventories
New Zealand (NZ): This product complies with New Zealand Inventories
Phillipines (PICCS) Inventory: Not determined
China (CLECS): Not Determined

US Regulatory Rules

SARA Section 302: None Found
SARA 311/312 Hazard Categories: Immediate
SARA 313 Chemical: N/A
RCRA Status: Not a RCRA waste.

Other Regulations:

California Proposition 65: NONE
New Jersey Right-to-Know List: Components Resorcinol and Carbon Black.
Pennsylvania Right to Know List: Components Resorcinol and Carbon Black.
Florida Right to Know: N/A
Minnesota Right to Know: N/A
MA Right to Know Law: Components Resorcinol and Carbon Black.

FDA Status 21 CFR: Not Regulated For Use in 21 CFR

Canadian Regulations

WHMIS Hazard Class: NON-CONTROLLED
NPRI: N/A

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:

Nothing has been revised.

Additional Information: WHMIS Ingredient Disclosure List (Canada). Components Resorcinol and Carbon Black.

Important Note: This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer

FLXP0046



Responsible Care

Page 5 of 6

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*****



FLXP0046

Responsible Care

Page 6 of 6