

Date of Printing:

12/15/2000

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SANTOWEB H

MSDS NO.

FLXP0046

Chemical Name: Synonyms:

Treated Cellulose Fibers Short Fiber Rubber Composite

Use:

Reinforcing Agent

Manufactured By: **Emergency Telephone:**

Flexsys America L.P. 260 Springside Drive Akron OH 44333 USA CHEMTREC: 1-800-424-9300 (TOLL FREE - USA and Territories)

703-527-3887 (ELSEWHERE - Collect Calls Accepted)

CANUTEC: SETIQ:

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

Prepared By:

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

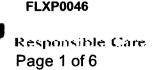
COMPOSITION/INFORMATION ON INGREDIENTS

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

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.



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 tis 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 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): >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

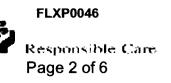
7. HANDLING AND STORAGE

Handling: Good hygienic practices should be observed. Work clothes should be washed 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



EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:

Wear safety glasses or goggles to protect against exposure.

Skin Protection:

Ventilation:

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.

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. 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.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Black fibers RUBBER

pH:

Odor:

N/A

Specific Gravity:

Not Determined 1270 kg/m3

Density: **Bulk Density:**

500 kg/m3

Melting Point (°F/C): Boiling Point (°F/C): N/A

Vapor Pressure:

N/A 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 Mixture

Molecular Formula:

STABILITY AND REACTIVITY 10.

Stable when stored at room temperature in closed, original container. Stable under **Chemical Stability:**

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:

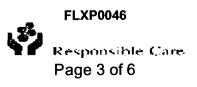
None known

Hazardous Decomposition Products:

Carbon monoxide. Carbon dioxide Oxides of sulfur

Additional Guidelines:

Not Applicable



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. Eves.

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

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#

1333-86-41.

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.

Carbon Black - Group 2B.

Genotoxicity: Not determined Reproductive/Developmental Not determined

Toxicity:

12. ECOLOGICAL INFORMATION

Acute Fish Toxicity:Not determinedAcute Crustaceans Toxicity:Not determinedAcute 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):

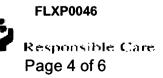
None

ICAO/IATA:Status:

NONE

Proper Shipping Name:

None



UN/NA Number: IMDG:Status:

NONE

Proper Shipping Name:

TDG (Canada):Status:

Proper Shipping Name:

Not Regulated

None

Not Regulated

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

This product and all its components comply with Australian inventories

(AICS):

New Zealand (NZ): This product complies with New Zealand Inventories

Not determined Phillipines (PICCS) Inventory: China (CLECS): Not Determined

US Regulatory Rules

SARA Section 302: None Found SARA 311/312 Hazard Catagories: **Immediate**

SARA 313 Chemical: N/A

RCRA Status: Not a RCRA waste.

Other Regulations:

California Proposition 65: NONE

Components Resorcinol and Carbon Black. **New Jersey Right-to-Know List:** Components Resorcinol and Carbon Black. Pennsylvania Right to Know List:

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

NON-CONTROLLED WHMIS Hazard Class:

NPRI: N/A

OTHER INFORMATION

Hazard Rating Systems:

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

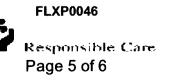
The following has been revised since the last issue of this MSDS:

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



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

