

SECTION I: IDENTIFICATION

TRADE NAME: FlexForm® FR (Wonderphyll)	H HEALTH	1
	F FLAMMABILITY	1
	R REACTIVITY	0
	P PERSONAL PROTECTION	1
MANUFACTURER: FlexForm Technologies, LLC 4955 Beck Drive Elkhart, IN 46516	EMERGENCY TELEPHONE 574-295-3777	

SECTION II: COMPONENTS

MATERIAL(S):	<u>ACGIH</u> TLV (UNITS)	<u>OSHA</u> PEL	CAS NO.
FlexForm FR Contains one or more of the following ingredients: Bast fibers (Tossa/jute, kenaf), polyester fiber,	Biologically inert or degradable, insoluble, soluble or poorly soluble particles. Respirable: 3 mg/m ³ Total: 10 mg/m ³	Total nuisance dust: 15 mg/m ³ Respirable dust: 5 mg/m ³	NA
TCIC and sodium tetraborate pentahydrate (>1%)			12179-04-3

SECTION III: HEALTH HAZARD IDENTIFICATION

<p>POTENTIAL HEALTH EFFECTS:</p> <p>INHALATION: Nuisance Dust. Temporary upper respiratory irritation may occur.</p> <p>SKIN CONTACT: Natural fiber / synthetic fiber are not known skin irritants.</p> <p>EYE CONTACT: Airborne fibers and dust may cause mechanical irritation.</p> <p>INGESTION: Not a likely route of exposure.</p> <p>REPRODUCTIVE/DEVELOPMENTAL: Animal ingestion studies in several species, at high doses, indicate that borates cause reproductive and developmental effects. A human study of occupational exposure to borate dust showed no adverse effect on reproduction.</p> <p>CARCINOGENITY INFORMATION: NONE OF THE COMPONENTS PRESENT IN THIS MIXTURE AT CONCENTRATIONS EQUAL TO OR GREATER THAN 0.1% ARE LISTED BY IARC, NTP, OSHA, OR ACGIH AS A CARCINOGEN.</p>

SECTION IV: FIRST AID MEASURES

<p>INHALATION: Remove to fresh air. Seek medical attention if respiratory irritation persists.</p> <p>SKIN CONTACT: Wash with soap and water. Seek medical attention if irritation develops.</p> <p>EYE CONTACT: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Mechanical irritation only. Seek medical attention if irritation occurs.</p> <p>INGESTION: Not a likely route of exposure. Seek medical attention if large amounts are ingested.</p>

SECTION V: FIRE AND EXPLOSION HAZARD DATA

FLAMMABLE PROPERTIES: Control airborne release of dust particles if recycling material. High concentrations of dust can cause a fire or cause an explosion if exposed to an ignition point.

EXTINGUISHING MEDIA: Agents approved for Class A hazards (e.g., halogenated agents, foam, steam, or water)

SECTION VI: ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL): None needed

SPILL AND CLEAN UP: Normal cleanup, avoid creating airborne dust/fiber

SECTION VII: PHYSICAL DATA

MELTING POINT: 440° F melts polyester,
380° F melts TGIC

SPECIFIC GRAVITY: NA

SOLUBILITY IN WATER: Negligible

PHYSICAL STATE: Solid

COLOR: Natural

ODOR: NA

PH INFORMATION: NA

DENSITY: Variable

SECTION VIII: HAZARDOUS REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY WITH OTHER MATERIALS: Chlorine, fluorine, and other strong oxidizers. Concentrated acid solutions can lead to the partial dissolving and damage to the fiber.

DECOMPOSITION: Burning or incinerating can produce carbon monoxide, carbon dioxide, and other harmful products.

POLYMERIZATION: Hazardous polymerization will not occur.

SECTION IX: EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use local exhaust ventilation to keep airborne levels of fibers below PEL.

Personal Protective Equipment:

Respiratory Protection: When airborne fiber levels are irritating, use a NIOSH-approved respirator in accordance with 29 CFR 1910.134.

Skin Protection: No protection required.

Eye Protection: Safety glasses are recommended.

Other: Follow good housekeeping practices to avoid creating airborne fibers.

SECTION X: TOXICOLOGICAL INFORMATION**ACUTE TOXICITY:**

Ingestion: Low acute oral toxicity; LD₅₀ in rats is 3200 to 3400 mg/kg of body weight.

Skin/dermal: Low acute dermal toxicity; LD₅₀ in rabbits is greater than 2000 mg/kg of body weight.

Inhalation: Low acute inhalation toxicity; LC₅₀ in rats is greater than 2.0 mg/L (or g/m³).

Skin irritation: Non-irritant.

Eye irritation: Not considered to be an eye irritant in normal industrial use.

Sensitization: Not a skin sensitizer.

SECTION XI: WASTE DISPOSAL

WASTE DISPOSAL METHOD: Disposal must be in accordance with applicable federal, state or local regulations. Determine waste classification at time of disposal.

SPECIAL PRECAUTIONS: High density mats are slippery underfoot.

SECTION XII: TRANSPORTATION

This product is not classified by the Department of Transportation as a hazardous material.

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. The data in this MSDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

We believe the technical information, statements, and recommendations contained herein are reliable, but they are given without guarantees or warranty of any kind, express or implied, and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of the use of these products or information contained herein. We encourage prospective customers to contact us with any questions concerning use, handling or any other matter concerning our products prior to use.

Date Prepared: December 19, 2006

Revision Date: February 1, 2011