



# SDS

# GHS Safety Data Sheet

PROFILE Products, LLC

## Flexterra® High Performance-Flexible Growth Medium™(HP-FGM™)

MSDS Number: CON062

Revision Date: 1/1/14

Page 1 of 5

### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer & Marketed Under

System Builders Maintenance Services Sdn. Bhd.  
No. 17, Jalan Metro Perdana Barat 8,  
Sri Edaran Light Industrial,  
52100 Kuala Lumpur, MY.

**Phone:** (603) 6250 9892  
**Fax:** (603) 6250 9885  
**Email:** info@systembuilders.com.my  
**Web:** www.systembuilders.com.my

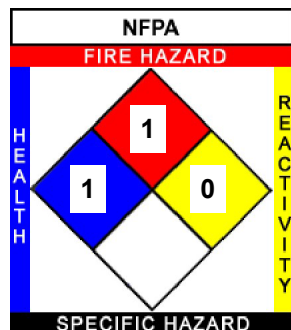
**Product Name:** Flexterra® High Performance-Flexible Growth Medium™(HP-FGM™)  
**Revision Date:** 1/1/14  
**MSDS Number:** CON062  
**CAS Number:** Not applicable  
**Product Use:** Erosion control and revegetation mulch for hydraulic seeding.

Product Description: Green dyed wood fibers, man-made biodegradable fibers, minerals and a proprietary binder mixture.

### 2 HAZARDS IDENTIFICATION

- Route of Entry:** Inhalation, skin contact, eye contact
- Inhalation:** Wood may cause sneezing, irritation, and dryness of the nose and throat. Dust may aggravate pre-existing respiratory conditions.
- Skin Contact:** Wood dust can cause irritation. Skin absorption is not known to occur.
- Eye Contact:** Wood dust can irritate the eyes.
- Ingestion:** No reports of human ingestion.

NFPA: Health = 1, Fire = 1, Reactivity = 0





# SDS

# GHS Safety Data Sheet

PROFILE Products, LLC

## Flexterra® High Performance-Flexible Growth Medium™(HP-FGM™)

MSDS Number: CON062

Revision Date: 1/1/14

Page 2 of 5

OSHA Classification: Wood dust is a hazardous substance as defined by the Hazard Communication Standard 29CFR 1910.1200

3	<b>COMPOSITION/INFORMATION ON INGREDIENTS</b>
---	---

**Ingredients:**

Cas #	Perc.	Chemical Name
N/A	Proprietary	Hydrocolloidal Based Polysaccharide Tackifier
9000300	Proprietary	Guar Gum

4	<b>FIRST AID MEASURES</b>
---	---------------------------

<b>Inhalation:</b>	Usually not a problem. Remove to fresh air if respiratory irritation develops, and get medical aid promptly if irritation persists. In high dust levels wear dust mask.
<b>Skin Contact:</b>	Usually not a problem. Wash off with running water if irritation is experienced.
<b>Eye Contact:</b>	Open eyelids and flush with water.
<b>Ingestion:</b>	Get medical attention.

5	<b>FIRE FIGHTING MEASURES</b>
---	-------------------------------

<b>Flammability:</b>	Combustible product
<b>Flash Point:</b>	Not applicable
<b>Flash Point Method:</b>	Not applicable
<b>Autoignition Temp:</b>	200-260°C (400-500°F)

Conditions to avoid: In contact with flames or hot surfaces.

Flammable- Extinguish with water; same as a wood fire

6	<b>ACCIDENTAL RELEASE MEASURES</b>
---	------------------------------------

Scoop up product. Wear goggles and respirator if dust is produced in unventilated areas. Wet product will be slippery.



# SDS

# GHS Safety Data Sheet

PROFILE Products, LLC

## Flexterra® High Performance-Flexible Growth Medium™(HP-FGM™)

MSDS Number: CON062

Revision Date: 1/1/14

Page 3 of 5

### 7 HANDLING AND STORAGE

**Handling Precautions:** Clean up areas where dust settles. Minimize blowdown or other practices that generate high airborne dust concentrations.

**Storage Requirements:** Store in a cool, dry place. Keep away from sources of ignition.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** None required for outdoor mixing and application. Use dust collection system for indoor handling operations.

**Personal Protective Equip:**

- Eye Protection: Wear goggles when emptying bags and during other operations where there is a risk of dust entering the eyes.
- Gloves: Leather, plastic or rubber gloves could be worn to minimize skin irritation.
- Respirators: When handling methods generate dust at concentrations that exceed occupational exposure limits, wear a NIOSH approved respirator. A fabric respirator or a facepiece respirator with dust cartridges will generally provide adequate protection.
- Footwear: The product is slippery when wet. Wear appropriate footwear.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Dyed green wood fibers - Pine & mixed hardwoods	<b>Odor:</b>	Mild wood odor
<b>Physical State:</b>	Wood Fibers		
<b>Spec Grav./Density:</b>	Lighter than water		
<b>Vapor Pressure:</b>	N/A		

### 10 STABILITY AND REACTIVITY

**Stability:** Stable product.

**Conditions to Avoid:** Contact with strong acids and oxidizers may generate heat. Product may ignite at temperatures in excess of 200°C (400°F).

**Materials to Avoid:** Strong acids and oxidizers.

**Hazardous Polymerization:** Will not occur.



# SDS

# GHS Safety Data Sheet

PROFILE Products, LLC

## Flexterra® High Performance-Flexible Growth Medium™(HP-FGM™)

MSDS Number: CON062

Revision Date: 1/1/14

Page 4 of 5

11	<b>TOXICOLOGICAL INFORMATION</b>
----	----------------------------------

### EFFECTS OF CHRONIC EXPOSURE:

Inhalation: Frequent and repeated exposure to wood dust is associated with an increased risk of developing nasal cancer.  
Skin Contact: Although rare, wood dust may cause dermatitis in sensitized people.

### Occupational Exposure Limits:

Wood dusts- All other species: ACGIH (2007): TLV-TWA 1 mg/m<sup>3</sup> (Inhalable fraction); A4

Particulates Not Otherwise Regulated (PNOR): OSHA: PEL-TWA 15 mg/m<sup>3</sup> (Total Dust); 5 mg/m<sup>3</sup> (Respirable fraction)

Irritancy: Wood dust is a mild irritant

Sensitization: Some wood dusts may cause allergic skin reactions

12	<b>ECOLOGICAL INFORMATION</b>
----	-------------------------------

Guar Gum (CAS# 9000-30-0) is listed as an inert ingredient permitted for use in nonfood use pesticide products by EPA. It is also classified under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) as a minimal risk inert substance (List 4A) meaning that as a pesticide, Guar Gum is considered by the EPA to pose little or no risk to humans or the environment. The Us Department of Agriculture (USDA) National Organic Program (NOP) also allows the use of Guar Gum in a variety of applications, but primarily as a pesticide in organic production operations. Finally, Guar Gum is listed on the Generally Recognized as Safe (GRAS) list by the Food and Drug Administration (FDA).

48-hr LC<sub>50</sub> = >100% for *Daphnia magna* when runoff generated using ASTM D7101 (2"/hr rainfall rate) was tested according to EPA-821-R-02-012.

13	<b>DISPOSAL CONSIDERATIONS</b>
----	--------------------------------

Normally can be disposed of as a wood residue. Ensure disposal is in compliance with local, provincial (state), and federal regulations.

14	<b>TRANSPORT INFORMATION</b>
----	------------------------------

DOT Class: Not regulated #



**SDS**

**GHS Safety Data Sheet**  
**PROFILE Products, LLC**

**Flexterra® High Performance-Flexible Growth Medium™(HP-FGM™)**

MSDS Number: CON062

Revision Date: 1/1/14

Page 5 of 5

**15 REGULATORY INFORMATION**

**COMPONENT / (CAS/PERC) / CODES**

\*Guar gum (9000300 n/a%) TSCA

**REGULATORY KEY DESCRIPTIONS**

MASS = MA Massachusetts Hazardous Substances List  
NRC = Nationally Recognized Carcinogens  
OSHAWAC = OSHA Workplace Air Contaminants  
PA = PA Right-To-Know List of Hazardous Substances  
TXAIR = TX Air Contaminants with Health Effects Screening Level

CERCLA = Superfund clean up substance  
CSWHS = Clean Water Act Hazardous substances  
EHS302 = Extremely Hazardous Substance  
EPCRAWPC = EPCRA Water Priority Chemicals  
HAP = Hazardous Air Pollutants  
NJEHS = NJ Extraordinarily Hazardous Substances  
NJHS = NJ Right-to-Know Hazardous Substances  
OSHAPSM = OSHA Chemicals Requiring process safety management  
SARA313 = SARA 313 Title III Toxic Chemicals

TSCA = Toxic Substances Control Act

**16 OTHER INFORMATION**