

JUL 13 01 12:43p
MAR. 13. 2000 1:46PM

Greg Markim Inc
FILTER MATERIALS

4144531495

P. 3

V# 2819 NO. 678 P. 1
Specialty Pulps
#12831 - all skus

12831-1001

* 9-27-01 ✓



FILTER MATERIALS

Division of Guamer Enterprises, Inc.
P.O. BOX 329 • WAUPACA, WISCONSIN 54981-0329 • U.S.A
PHONE 715-258-5525 • FAX 715-258-8488

MATERIAL SAFETY DATA SHEET

Quick Identifier: Cotton Linter Pulp

Manufacturer's Name: Filter Materials
Address: 1401 Ware Street, Waupaca, WI
Date Prepared: Updated 5/1/95

Emergency Telephone: 715-258-5525

SECTION 1 - IDENTITY

Common Name (Used on label, trade name, and synonyms): Cotton Linter Pulp

Chemical Name: Cellulose Fiber

Chemical Family: Cellulose

Formula: N/A

SECTION 2 - HAZARDOUS INGREDIENTS

<u>Hazardous Component(s) (chemical & common name(s))</u>	<u>Cas No.</u>	<u>Percentage</u>
Per interpretation of OSHA regulation and the Hazard Communication Standard 21 CFR 1910.1200, this product does not constitute a hazardous or toxic material.		

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Bolling Point: N/A	Specific Gravity (H2O=1): N/A	Vapor Pressure (mm Hg): N/A
--------------------	-------------------------------	-----------------------------

Percent Volatile by Volume (%): N/A	Vapor Density (Air=1): N/A	Evaporation Rate (_____ =1): N/A
-------------------------------------	----------------------------	----------------------------------

Solubility in Water: NIL Reactivity in Water: N/A

Appearance and Odor: White fiber, odorless

Flash Point: Like paper	Flammable Limits in Air % by Volume:	Lower Like paper	Upper Like paper	Auto-Ignition Temperature: N/A
-------------------------	--------------------------------------	------------------	------------------	--------------------------------

Special Fire Fighting Procedures: None - Treat as ordinary combustible	Extinguisher Media: Water, ABC, CO2
--	-------------------------------------

Unusual Fire and Explosion Hazards: None

SECTION 4 - PHYSICAL HAZARDS

Stability: Stable X Unstable
Conditions to Avoid: None

Incompatibility (Materials to Avoid): None

V 2819

12831-1001
- 1025
4135
5005

Jul 13 01 12:44p Greg Markim Inc 4144531495 p. 4
 Product: MAR. 13. 2008 11:46PM FILTER MATERIALS NO. 670 P. 2 page 4

Hazardous Decomposition Products: Ordinary products of combustion

Hazardous Polymerization: May Occur Will Not Occur X
 Conditions to Avoid: None

SECTION 5 - HEALTH HAZARDS

Route(s) of Entry: Inhalation? Yes - Nuisance Dust Skin? No Ingestion? No

Signs and Symptoms of Exposure:

1. Acute Overexposure: None - Material is non-toxic and is not a skin irritant
2. Chronic Overexposure: Prolonged inhalation of dust may cause lung congestion

Medical Conditions Generally Aggravated by Exposure: Pre-existing upper respiratory and lung disease may be aggravated by excessive inhalation of dust.

Chemical Listed as Carcinogen or Potential Carcinogen:

- | | | | |
|---------------------------------|-----|----|---|
| 1. National Toxicology Program: | Yes | No | X |
| 2. I.A.R.C. Monographs: | Yes | No | X |
| 3. OSHA: | Yes | No | X |

Exposure Limits:

<u>Hazardous Component(s)</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Exposure Limit Used</u>
Treat dust as "Particulates Not Otherwise Classified" (PNOC) per ACGIH	10 mg/cu. m (total dust)	10 mg/cu. m (total dust)	

Emergency and First Aid Procedures: Flush eyes if in contact, seek fresh air if excessive inhalation, blow nose to clear, not hazardous if ingested. Consult physician if irritation persists.

SECTION 6 - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): NIOSH approved respirator for nuisance dust

Ventilation:	Local	Mechanical	Special:	Other:
To keep dust below PEL	Exhaust: As necessary	(General): As necessary	None	None

Protective Gloves: None Eye Protection: Not normally necessary

Other Protective Clothing or Equipment: None

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage: Avoid creating dust when handling. Maintain good housekeeping practices.

Other Precautions: None

Steps to be Taken in Case Material is Released or Spilled: Avoid inhalation. Collect dust and fibers with vacuum or suppress with water spray and sweep up.

Waste Disposal Methods: Dispose of in a closed container per local, state, and federal regulations. Wastes are not considered hazardous.

SECTION 8 - COMMENTS

We believe the statements, technical information, and recommendations above are accurate and are provided in good faith, but they are given without warranty or guarantee of any kind.

Jul 13 01 12:44p

Greg Markim Inc

4144531495

P. 5

MAR.13.2000 1:47PM

FILTER MATERIALS

NO.670

P.5



FILTER MATERIALS

Division of Quasar Enterprises, Inc.

P O BOX 329 • WAUPACA, WISCONSIN 54981-0329 • U.S.A.

PHONE 715-258-5525 • FAX 715-258-8488

MATERIAL SAFETY DATA SHEET

Quick Identifier: Scrubbed Corn Husk & Cotton Pulp

Manufacturer's Name: Filter Materials

Emergency Telephone: 715-258-5525

Address: 1401 Ware Street, Waupaca, WI

Date Prepared: Updated 5/1/95

SECTION 1 - IDENTITY

Common Name (Used on label, trade name, and synonyms): Shredded Corn Husk and Cotton Paperboard Trim

Chemical Name: Processed corn husks with washed and processed cotton fibers Chemical Family: Cellulose

Formula: N/A

SECTION 2 - HAZARDOUS INGREDIENTS

<u>Hazardous Component(s) (chemical & common name(s))</u>	<u>Cas No.</u>	<u>Percentage</u>
Trace amount of mold control additive		< 1%

Per interpretation of OSHA regulation and the Hazard Communication Standard 21 CFR 1910.1200, this product does not constitute a hazardous or toxic material.

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Boiling Point: N/A	Specific Gravity (H ₂ O=1): .15 - .42	Vapor Pressure (mm Hg): N/A
Percent Volatile by Volume (%): N/A	Vapor Density (Air=1): N/A	Evaporation Rate (_____ =1): N/A
Solubility in Water: NIL	Reactivity in Water: N/A	

Appearance and Odor: Fibrous board, odorless

Flash Point: Like paper	Flammable Limits in Air % by Volume:	Lower Like paper	Upper Like paper	Auto-Ignition Temperature: N/A
Special Fire Fighting Procedures: None - Treat as ordinary combustible	Extinguisher Media: Water, ABC, CO2			

Unusual Fire and Explosion Hazards: Airborne dust may be explosive in very rare instances.

SECTION 4 - PHYSICAL HAZARDS

Stability: Stable X Unstable
Conditions to Avoid: None

Incompatibility (Materials to Avoid): None

Jul 13 01 12:44p Greg Markim Inc

4144531495

P. 6

Product: MAR 13 2009 11:47PM Husk FILTER MATERIALS

NO. 670 P. 6

Page 2

Hazardous Decomposition Products: Ordinary products of combustion

Hazardous Polymerization: May Occur Will Not Occur X
 Conditions to Avoid: None

SECTION 5 - HEALTH HAZARDS

Route(s) of Entry: Inhalation? Yes - Nuisance Dust Skin? No Ingestion? No

Signs and Symptoms of Exposure:

1. Acute Overexposure: None - Material is non-toxic and is not a skin irritant
2. Chronic Overexposure: Prolonged inhalation of dust may cause lung congestion

Medical Conditions Generally Aggravated by Exposure: Pre-existing upper respiratory and lung disease may be aggravated by excessive inhalation of dust.

Chemical Listed as Carcinogen or Potential Carcinogen:

- | | | | |
|---------------------------------|-----|----|---|
| 1. National Toxicology Program: | Yes | No | X |
| 2. I.A.R.C. Monographs: | Yes | No | X |
| 3. OSHA: | Yes | No | X |

Exposure Limits:

<u>Hazardous Component(s)</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Exposure Limit Used</u>
Treat dust as "Particulates Not Otherwise Classified" (PNOC) per ACGIH	10 mg/cu. m (total dust)	10 mg/cu. m (total dust)	

Emergency and First Aid Procedures: Flush eyes if in contact, seek fresh air if excessive inhalation, blow nose to clear, not hazardous if ingested. Consult physician if irritation persists.

SECTION 6 - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): NIOSH approved respirator for nuisance dust .

Ventilation:	Local	Mechanical	Special:	Other:
To keep dust below PEL	Exhaust: As necessary	(General): As necessary	None	None

Protective Gloves: None Eye Protection: Not normally necessary

Other Protective Clothing or Equipment: None

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage: Avoid creating dust when handling. Maintain good housekeeping practices.

Other Precautions: None

Steps to be Taken in Case Material is Released or Spilled: Avoid inhalation. Collect dust and fibers with vacuum or suppress with water spray and sweep up.

Waste Disposal Methods: Dispose of in a closed container per local, state, and federal regulations. Wastes are not considered hazardous.

SECTION 8 - COMMENTS

We believe the statements, technical information, and recommendations above are accurate and are provided in good faith, but they are given without warranty or guarantee of any kind.

Jul 13 01 12:44p

Greg Markim Inc

4144531495

p. 7

MAR. 13. 2008 1:48PM

FILTER MATERIALS

NO. 670 P. 9

**FILTER MATERIALS**

Division of Quamer Enterprises, Inc.

P.O. BOX 329 • WAUPACA, WISCONSIN 54981-0329 • U.S.A

PHONE 715-258-5525 • FAX 715-258-8488

MATERIAL SAFETY DATA SHEET

Quick Identifier: Plum Cotton Rag Pulp with Flecks

Manufacturer's Name: Filter Materials

Emergency Telephone: 715-258-5525

Address: 1401 Ware Street, Waupaca, WI

Date Prepared: Updated 5/1/95

SECTION 1 - IDENTITY

Common Name (Used on label, trade name, and synonyms): Shredded Cotton Rag Pulp with Synthetic Fiber

Chemical Name: Cellulose (cotton & Wood) with synthetic fiber

Chemical Family: Cellulose & Polyester

Formula: N/A

SECTION 2 - HAZARDOUS INGREDIENTSHazardous Component(s) (chemical & common name(s))Cas No.Percentage

Per interpretation of OSHA regulation and the Hazard Communication Standard 21 CFR 1910.1200, this product does not constitute a hazardous or toxic material.

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Boiling

Specific

Vapor

Point: N/A

Gravity (H₂O=1): .15 - .42

Pressure (mm Hg): N/A

Percent Volatile

Vapor

Evaporation Rate

by Volume (%): N/A

Density (Air=1): N/A

(_____ =1): N/A

Solubility in Water: NIL

Reactivity in Water: N/A

Appearance and Odor: White fibrous, heavyweight paperboard, generally odorless

Flash

Flammable Limits

Lower

Upper

Auto-Ignition

Point: Like paper

in Air % by Volume:

Like paper

Like paper

Temperature: N/A

Special Fire

Extinguisher

Fighting Procedures: None - Treat as ordinary combustible

Media: Water, ABC, CO₂

Unusual Fire and Explosion Hazards: Airborne dust may be explosive in very rare instances.

SECTION 4 - PHYSICAL HAZARDS

Stability:

Stable X

Unstable

Conditions to Avoid: None

Incompatibility (Materials to Avoid): None

Hazardous Decomposition Products: Ordinary products of combustion

Jul 13 01 12:45p Greg Markim Inc 4144531495 P. 8
 MAR. 13. 2000 1:48PM FILTER MATERIALS NO. 670 P. 10 Page 2

Hazardous Polymerization: May Occur Will Not Occur X
 Conditions to Avoid: None

SECTION 5 - HEALTH HAZARDS

Route(s) of Entry: Inhalation? Yes - Nuisance Dust Skin? No Ingestion? No

- Signs and Symptoms of Exposure:
 1. Acute Overexposure: None - Material is non-toxic and is not a skin irritant
 2. Chronic Overexposure: Prolonged inhalation of dust may cause lung congestion

Medical Conditions Generally Aggravated by Exposure: Pre-existing upper respiratory and lung disease may be aggravated by excessive inhalation of dust.

- Chemical Listed as Carcinogen or Potential Carcinogen:
 1. National Toxicology Program: Yes No X
 2. I.A.R.C. Monographs: Yes No X
 3. OSHA: Yes No X

Exposure Limits:	OSHA PEL	ACGIH TLV	Other Exposure Limit Used
Hazardous Component(s)			
Treat dust as "Particulates Not Otherwise Classified" (PNOC) per ACGIH	10 mg/cu. m (total dust)	10 mg/cu. m (total dust)	

Emergency and First Aid Procedures: Flush eyes if in contact, seek fresh air if excessive inhalation, blow nose to clear, not hazardous if ingested. Consult physician if irritation persists.

SECTION 6 - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): NIOSH approved respirator for nuisance dust

Ventilation: Local Exhaust: As necessary Mechanical (General): As necessary Special: None Other: None

Protective Gloves: None Eye Protection: Not normally necessary

Other Protective Clothing or Equipment: None

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage: Avoid creating dust when handling. Maintain good housekeeping practices.

Other Precautions: None

Steps to be Taken in Case Material is Released or Spilled: Avoid inhalation. Collect dust and fibers with vacuum or suppress with water spray and sweep up.

Waste Disposal Methods: Dispose of in a closed container per local, state, and federal regulations. Wastes are not considered hazardous.

SECTION 8 - COMMENTS

We believe the statements, technical information, and recommendations above are accurate and are provided in good faith, but they are given without warranty or guarantee of any kind.