PO Box 2053
Vincentown, NJ 08088

Janici
Disposal Services

MSDS for components declared in Janici solidifiers/absorbents

COMPOSITION

Janici WB J286
100% Cellulose

Janici BB J286
70% Cellulose
25% Superabsorbent Polymer
5% Polypropylene

Cellulose:	Weyerhaeuser MSDS
Superabsorbent Polymer:	Dow Chemical MSDS
Polypropylene:	Exxon MSDS

Attached are the MSDS for individual components.

ExxonMobil Chemical

MATERIAL SAFETY DATA SHEET

ExxonMobil Chemical Company

A Division of Exxon Mobil Corporation

ExxonMobil POLYPROPYLENE

DATE PREPARED: SEP 6, 2000
MSDS NO.: 07100000

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ExxonMobil POLYPROPYLENE
CHEMICAL NAME:
Polypropylene
CHEMICAL FAMILY:
Polyolefin / Hydrocarbon
PRODUCT DESCRIPTION:
Clear to opaque, white (or colored) solid pellets or granules

CONTACT ADDRESS:
ExxonMobil Chemical Company,
P.O. Box 3272, Houston, Texas 77253-3272

** EMERGENCY TELEPHONE NUMBERS: (24 Hours) **
** CHEMTREC (800) 424-9300 **
** ExxonMobil Chemical Company (800) 726-2015 **

NON EMERGENCY TELEPHONE NUMBERS : (8am-5pm M-F)
FOR GENERAL PRODUCT INFORMATION CALL : (281) 870-6000
FOR HEALTH AND MEDICAL INFORMATION CALL : (281) 870-6884

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

This product is not hazardous as defined in 29 CFR1910.1200

SECTION 3 HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYE CONTACT:
Particulates may scratch eye surfaces/cause mechanical irritation.

SKIN CONTACT:
Exposure to hot material may cause thermal burns.
Negligible hazard at ambient temperatures (-18 to +38 degrees C; 0 to 100 degrees F).

INHALATION:
Negligible hazard at ambient temperature (-18 to 38 Deg C; 0 to 100 Deg F)
Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

INGESTION:
Minimal toxicity.

SECTION 4 FIRST AID MEASURES

EYE CONTACT:
This product is an inert solid. If in eye, remove as one would any foreign object.

Continues on page 2

SKIN CONTACT:
For hot product, immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention. No attempt should be made to remove material from skin or to remove contaminated clothing, as the damaged flesh can be easily torn.

INHALATION:
In case of adverse exposure to vapors and/or aerosols formed at elevated temperatures, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

INGESTION:
First aid is normally not required.

SECTION 5 FIRE-FIGHTING MEASURES

FLASH POINT:	> 600 Deg F. NOTE: Estimated
FLAMMABLE LIMITS:	NOTE: Not applicable
AUTOIGNITION TEMPERATURE:	> 600 Deg F. NOTE: Estimated

GENERAL HAZARD
Solid material, may burn at or above the flashpoint, and airborne dust may explode if ignited .
If thermally decomposed, flammable/toxic gases may be released.
Toxic gases will form upon combustion.
Static Discharge, material can accumulate static charges which can cause an incendiary electrical discharge .

FIRE FIGHTING
Use water spray to cool fire exposed surfaces and to protect personnel.
Isolate "fuel" supply to fire.
Extinguish the fire by cooling with water spray.
Respiratory and eye protection required for fire fighting personnel.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS
Under Oxygen lean conditions, Carbon Monoxide (CO) and irritating smoke may be produced.

SECTION 6 ACCIDENTAL RELEASE MEASURES

LAND SPILL
Recover spilled material and place in suitable containers for recycle or disposal.
Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

WATER SPILL
Recover the spilled material and place in suitable containers for recycle or disposal.
Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
Plastic pellets are defined by the US EPA under the Clean Water Act

Continues on page 3

(40CFR122.26) as a "significant material" which requires any industrial plant that may expose pellets to storm water to secure a storm water permit. Violations of the rule carry the same penalties as other Clean Water Act violations. Pellets found in storm water runoff are subject to EPA regulations with the potential for substantial fines and penalties.

SECTION 7 STORAGE AND HANDLING

ELECTROSTATIC ACCUMULATION HAZARD:
Yes, use proper bonding and/or grounding procedure.

STORAGE TEMPERATURE, °F:
Ambient

LOADING/UNLOADING TEMPERATURE, °F:
Ambient

STORAGE/TRANSPORT PRESSURE, mmHg:
Atmospheric pressure

LOADING/UNLOADING VISCOSITY, cSt:
Not applicable

STORAGE AND HANDLING:
Keep container closed. Handle and open containers with care. Store in a cool, well ventilated place away from incompatible materials.
Do NOT handle or store near an open flame, heat or other sources of ignition. Protect material from direct sunlight.
Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS
Local exhaust ventilation of process equipment may be needed to control particulate exposures to below the recommended exposure limit. See personal protection recommendations.

PERSONAL PROTECTION
For open systems at ambient temperature (-18 to 38 deg C/ 0 to 100 deg F) where contact is likely, wear safety glasses.
Where contact may occur with hot material, wear thermal resistant gloves, arm protection, and a face shield.

WORKPLACE EXPOSURE GUIDELINES

OSHA REGULATION 29CFR1910.1000 REQUIRES THE FOLLOWING PERMISSIBLE EXPOSURE LIMITS:
5 mg/m3 (respirable dust), and 15 mg/m3 (total dust) based on the OSHA PEL for nuisance dust.
The recommended permissible exposure levels indicated above reflect the levels revised by OSHA in 1989 or in subsequent regulatory activity. Although the 1989 levels have since been vacated by the 11th Circuit Court of Appeals, ExxonMobil Chemical Company recommends that the lower exposure levels be observed as reasonable worker protection.

THE ACGIH RECOMMENDS THE FOLLOWING THRESHOLD LIMIT VALUES:
A TWA of 10 mg/m3 for inhalable particulate (total dust) and a TWA of 3 mg/m3 for respirable particulate (total dust) for Particulates Not Otherwise Classified (PNOC).

Continues on page 4

MATERIAL SAFETY DATA SHEET

ExxonMobil Chemical Company
A Division of Exxon Mobil Corporation

ExxonMobil POLYPROPYLENE

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY, at °F:
0.88 Varies by grade
0.99
SOLUBILITY IN WATER, wt. % at °F:
Insoluble
SP. GRAV. OF VAPOR, at 1 atm (Air=1):
Not available
EVAPORATION RATE, n-Bu Acetate=1:
Not applicable
VAPOR PRESSURE, mmHg at °F:
Not available
Npt available
VISCOSITY OF LIQUID, cSt at °F:
Not applicable
FREEZING/MELTING POINT, °F:
>225 deg. F
BOILING POINT, °F:
Not applicable

SECTION 10 STABILITY AND REACTIVITY

STABILITY:
Stable
CONDITIONS TO AVOID INSTABILITY:
Temperatures over 480 F (250 C) may cause resin degradation
HAZARDOUS POLYMERIZATION:
Will not occur
CONDITIONS TO AVOID HAZARDOUS POLYMERIZATION:
Not applicable
MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY:
Fluorine
Strong oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS:
Flammable Hydrocarbons

SECTION 11 TOXICOLOGICAL INFORMATION

Please refer to Section 3 for available information on potential health effects.

SECTION 12 ECOLOGICAL INFORMATION

No specific ecological data are available for this product. Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

SECTION 13 DISPOSAL CONSIDERATIONS

Please refer to Sections 5, 6, and 15 for disposal and regulatory information.

Continues on page 5

ExxonMobil Chemical

MATERIAL SAFETY DATA SHEET

ExxonMobil Chemical Company

A Division of Exxon Mobil Corporation

ExxonMobil POLYPROPYLENE

DATE PREPARED: SEP 6, 2000

MSDS NO.: 07100000

SECTION 14 TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT):

This product is not DOT regulated.

SECTION 15 REGULATORY INFORMATION

TSCA:

This product is listed on the TSCA Inventory.

TSCA:

Components of this product are listed on the TSCA Inventory.

CERCLA:

If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). We recommend you contact local authorities to determine if there may be other local reporting requirements.

SARA TITLE III:

Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories:
Not Hazardous.
This product does not contain Section 313 Reportable Ingredients.

SECTION 16 OTHER INFORMATION

HAZARD RATING SYSTEMS:

This information is for people trained in:
National Paint & Coatings Association's (NPCA)
Hazardous Materials Identification System (HMIS)
National Fire Protection Association (NFPA 704)
Identification of the Fire Hazards of Materials

	NPCA-HMIS	NFPA 704
HEALTH	1	1
FLAMMABILITY	1	1
REACTIVITY	0	0

KEY
4 = Severe
3 = Serious
2 = Moderate
1 = Slight
0 = Minimal

CAUTION: HMIS ratings are based on a 0-4 rating scale with 1 representing minimal hazards or risks, and 4 representing significant hazards or risks. Recommended HMIS ratings should not be used in the absence of a fully implemented HMIS hazard communication program.

Continues on page 6

MATERIAL SAFETY DATA SHEET

ExxonMobil Chemical Company

A Division of Exxon Mobil Corporation

ExxonMobil POLYPROPYLENE

DATE PREPARED: SEP 6, 2000
MSDS NO.: 07100000

REFERENCE NUMBER:
HDHA-K-10001

SUPERSEDES ISSUE DATE:

Dow Chemical

Material Safety Data Sheet

MSDS ID: SAP-165

* * * Section 1 - Chemical Product and Company Identification * * *

Product Name: 40711.02
Chemical Name: Sodium Polyacrylate, Cross-linked

Manufacturer Information

Dow Chemical Company **2401 Doyle Street** **Greensboro, NC 27406**	Non-Emergency # 800-242-2271 **Emergency # (800) 424-9300 CHEMTREC (North America)** **Emergency # (703) 527-3887 CHEMTREC (International, call collect)**

General Comments

Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving the product. All non-emergency questions should be directed to the toll free customer service number.

* * * Section 2 - Hazards Identification * * *

Emergency Overview

Sodium polyacrylate is a white, granular, odorless polymer that yields a gel-like material with the addition of water. It is insoluble in water and causes extremely slippery conditions when wet. Although not regulated as a hazardous material, the respirable dust is a potential respiratory tract irritant. The manufacturer recommends an eight-hour exposure limit of 0.05 mg/m3. See Section 8 for Exposure Controls/Personal Protective Equipment and Section 11 for Toxicological Information.

OSHA defines the proprietary component in this product as an eye irritant and a respiratory hazard 29 CFR 1910.1200.

Potential Health Effects: Eyes

Dust may cause burning, drying, itching and other discomfort, resulting in reddening of the eyes. May cause slight temporary corneal injury.

Potential Health Effects: Skin

Exposure to the dust, such as in manufacturing, may aggravate existing skin conditions due to drying effect.

Potential Health Effects: Ingestion

Although not a likely route of entry, tests have shown that polyacrylate absorbents are non-toxic if ingested. However, as in any instance of non-food consumption, seek medical attention in the event of any adverse symptoms.

Potential Health Effects: Inhalation

Exposure to respirable dust may cause respiratory tract and lung irritation and may aggravate existing respiratory conditions. See Section 8 for exposure controls.

HMIS Ratings: Health: 1 Fire: 0 Reactivity: 0 Pers. Prot.: B
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

* * * Section 3 - Composition / Information on Ingredients * * *

CAS #	Component	Percent
9003-04-7	Sodium polyacrylate, cross-linked	>90
Confidential	Proprietary	<10

Component Information/Information on Non-Hazardous Components

OSHA defines the proprietary component in this product as an eye irritant and a respiratory hazard under 29 CFR 1910.1200. May cause eye irritation. May cause respiratory tract irritation.
The manufacturer recognizes the potential for respiratory tract irritation as a result of inhalation of this product as a respirable dust. See Sections 2, 8, 11, 14, 15 and 16 for further information.

*** Section 4 - First Aid Measures ***

First Aid: Eyes

Immediately flush eyes with plenty of water for at least 15 minutes.

First Aid: Skin

Remove polyacrylate absorbent dust from skin using soap and water.

First Aid: Ingestion

Non-toxic by ingestion. However, if adverse symptoms appear, seek medical attention.

First Aid: Inhalation

If inhaled, move to source of fresh air. Seek medical attention if symptoms persist.

First Aid: Notes to Physician

No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

Fine dust can form explosive mixtures with air. Take measures against electrostatic charge.

Upper Flammable Limit (UFL): Not applicable, no data available
Lower Flammable Limit (LFL): Not applicable, no data available
Method Used: Not applicable
Flash Point: Not applicable
Flammability Classification: Not applicable
Auto Ignition: Not applicable, no test data available

Hazardous Combustion Products

None known.

Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog. Extremely slippery conditions are created if spilled product comes in contact with water.

Fire Fighting Equipment/Instructions

Firefighters should wear full protective clothing including self contained breathing apparatus.

NFPA Ratings: Health: 1 **Fire:** 0 **Reactivity:** 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Avoid respirable dust. Do not sweep product. Vacuum up the product (using a HEPA filter is mandatory) when possible. If no vacuum is available, moisten down the product and scoop up and place into an approved disposable container.

Clean-Up Procedures

Use caution after contact of product with water as extremely slippery conditions will result. Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

Evacuation Procedures

Keep unnecessary and unprotected personnel from entering the area. Keep upwind of spill. Spilled material may cause a slipping hazard. Ventilate area of leak or spill. Refer to Section 7 for additional precautionary measures. Use appropriate safety equipment. For additional information, refer to Section 8 Exposure Controls and Personal Protection.

*** Section 7 - Handling and Storage ***

Handling Procedures

Avoid contact with eyes. Avoid breathing dust. Use with adequate ventilation. Wash thoroughly after handling. See Section 8, Exposure Controls and Personal Protection.

Storage Procedures

Store in a dry place. Store in original unopened container. Avoid moisture. Protect from atmospheric moisture.

*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines

Component Exposure Limits

This product is not regulated as a hazardous material. However, the manufacturer recognizes the potential for respiratory tract irritation and recommends an eight hour exposure limit of 0.05 mg/m3.

	List	Type	Value
Proprietary component:	ACGIH & NIOSH	TWA	2.0 mg/m^3 per 8-hour average
Sodium Polyacrylate:	Manufacturer recommendation	TWA	0.05mg/m^3 per 8-hour average

If there are any questions on the above information call (800) 242-2271 and follow the phone tree for assistance.

Engineering Controls

Provide local exhaust ventilation to maintain worker exposure to less than 0.05 mg/m^3 over an eight-hour period.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses with side shields or goggles.

Personal Protective Equipment: Skin

Use impervious gloves when handling the product in the manufacturing environment.

Personal Protective Equipment: Respiratory

Wear respirator with a high efficiency filter if particulate concentrations in the work area exceed 0.05 mg/m^3 over an eight-hour period.

Personal Protective Equipment: General

Obey reasonable safety precautions and practice good housekeeping. Wash thoroughly after handling.

*** Section 9 - Physical & Chemical Properties ***

Appearance:	White granular powder.	**Odor:**	None
Physical State:	Granular powder	**pH:**	5.5-6.5 (1% in water)
Vapor Pressure:	Not determined	**Vapor Density:**	Not applicable
Boiling Point:	Not applicable	**Melting Point:**	Not applicable
Solubility (H2O):	Not soluble. Gels in water	**Specific Gravity:**	1.5 - 1.7 Calculated (based on water)
Evaporation Rate:	<1.0	**Flash Point**	Not applicable

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

The product is stable.

Chemical Stability: Conditions to Avoid

Avoid temperatures above 250°C (482°F). Exposure to elevated temperatures can cause product to decompose.
Avoid moisture.

Incompatibility

Avoid contact with strong acids, strong bases and strong oxidizers.

Hazardous Decomposition

Decomposition products depend upon temperature, air supply and the presence of other materials.
Decomposition products can include and are not limited to: Carbon dioxide; Hydrocarbons; Polymer fragments; Sulfur oxide. Decomposition products can include trace amounts of: Acrylate monomers.

Hazardous Polymerization

Will not occur.

*** Section 11 - Toxicological Information ***

Acute and Chronic Toxicity

A: General Product Information

Acute inhalation of respirable dust may cause irritation of the upper respiratory tract and lungs.

B: Acute Toxicity-LD50/LC50

Acute oral toxicity:	LD 50 rat Dose: >5000 mg/kg Method: Limit test
Acute dermal toxicity:	LD 50 rat Dose: >2000 mg/kg Method: Limit test
Skin Irritation:	Rabbit Method: OECD Nr. 404 Not irritant
Eye Irritation:	Rabbit Method: OECD Nr. 405 Very slight irritant
Sensitization:	Guinea pig Method: OECD Nr. 406 Result: 0/20 No sensitization

C: Proprietary Component LD50 information

LD50:	Oral LD50 Rat: 1930 mg/kg

D: Carcinogenicity

Component Carcinogenicity

No information is available.

E: Chronic Toxicity

Chronic inhalation exposure to rats for a lifetime (two years) using sodium polyacrylate that had been micronized to a respirable particle size (less than 10 microns) produced non-specific inflammation and chronic lung injury at 0.2 mg/m^3 and 0.8 mg/m^3. Also, at 0.8 mg/m^3, tumors were seen in some test animals. In the absence of chronic inflammation, tumors are not expected. There were no adverse effects detected at 0.05 mg/m^3.

F: Mutagenicity

Sodium polyacrylate had no effect in mutagenicity tests.

* * * Section 12 - Ecological Information * * *

Ecotoxicity

A: General Product Information

Composted polyacrylate absorbents are nontoxic to aquatic or terrestrial organisms at predicted exposure levels from current application rates.

B: Ecotoxicity of Component sodium polyacrylate (CAS 9003-04-7):

Biodegradability:

Method: OECD Nr. 302B

Practically no degradation

Physico-chemical removability:

The product is easy to eliminate in water-treatment plants due to its insolubility.

Ciliate toxicity:

Tetrahymena pyriformis

EC50>6,000 mg/l

Method: Erlanger Ciliate tests (Prof Graf).

Bacterial toxicity:

Ps. Putida

EC>6,000 mg/l

Exposure time: 24 hours

Fish toxicity:

Leucisicus idus

LC50>5,500 m/l

Exposure time: 24 hours

Fish toxicity:

Brachydanio rerio

LC50>4,000 mg/l

Exposure time: 96 hours

Further information:

Data reported in Section 11 and 12 have been determined on a comparable product in the Laboratory for Toxicology and Ecology, Stockhausen GmbH & Co., KG, Krefeld, Germany. With the exception of the two-year study.

C: Environmental Fate

Polyacrylate absorbents are relatively inert in aerobic and anaerobic conditions. They are immobile in landfills and soil systems (>90% retention), with the mobile fraction showing biodegradability. They are also compatible with incineration of municipal solid waste. Incidental down-the-drain disposal of small quantities of polyacrylic absorbents will not affect the performance of wastewater treatment systems.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Proprietary Component

96 Hr LC50 *Carassius auratus:* 100 mg/L
96 Hr LC50 *Gambusia affinis:* 37 mg/L [static]

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

This product is a non-hazardous waste material suitable for approved solid waste landfills.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Dispose of in accordance with Local, State and Federal regulations.

*** Section 14 - Transportation Information ***

International Transportation Regulations

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG).

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

This product is not federally regulated as a hazardous material.

B: Clean Air Act

No information is available.

C: Component Analysis

Proprietary component

Reportable Quantity:	5000 lb final RQ; 2270 kg final RQ. Call (800) 242-2271 if information is needed. In a typical truckload, the weight amount of proprietary component in the finished product is not sufficiently enough to warrant reporting.

State Regulations

A: General Product Information

No general product information is available

B: Component Analysis - State

The Proprietary component appears on the following state(s) Right-to-Know List. If information is needed call (800) 242-2271 and ask for the Product Compliance Officer:

Component	CAS #	CA	FL	MA	MN	NJ	PA
Proprietary component	Confidential	No	No	Yes	No	Yes	Yes

California Proposition 65

The following statement is made in order to comply with the California Safe Drinking Water and Toxic enforcement Act of 1986: This product does **not** contain any substance(s) known to the state of California to cause cancer or reproductive toxicity.

Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL. (Proprietary component is under review).

Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Sodium polyacrylate	9003-04-7	Yes	DSL	Not regulated as a polymer
Proprietary Component	Confidential	Yes	DSL	EINECS

* * * Section 16 - Other Information * * *

Other Information

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.

MSDS History

This is a new Degussa MSDS. Section's 2 & 3 reflect proposed August, 2004 ANSI Standards format recommendations for 2007 implementation.

Contact: Product Compliance Officer

Contact Phone: (800) 242-2271

This is the end of MSDS ID: SAP-165

BLEACHED KRAFT PULP

WEYERHAEUSER COMPANY
(253) 924-5000
PO BOX 9777
INFORMATION: (253)924-3865
FEDERAL WAY, WA 98063-9777
424-9300

EMERGENCY PHONE:

ADDITIONAL

CHEMTREC: (800)

REVISION DATE:

AUGUST 29, 2005

HTTP://WWW.WEYERHAEUSER.COM/ENVIRONMENT/MSDS/DEFAULT/ASP

-----1. PRODUCT INFORMATION-----

PRODUCT
PULP (CELLULOSE)
(MARLBORO MILL);

(FLINT RIVER);

PLYMOUTH, NC; PORT

PA; KINGSPORT, TN;

PRAIRIE, AB;

SK

MANUFACTURING LOCATION(S)
USA: BENNETTSVILLE, SC

COLUMBUS, MS; OGLETHORPE, GA

HAWESVILLE, KY; NEW BERN, NC;

WENTWORTH, GA; JOHNSONBURG,

LONGVIEW, WA
CANADA: DRYDEN, ON; GRANDE

KAMLOOPS, BC; PRINCE ALBERT,

SYNONYMS: BLEACHED SULPHATE PULP

-----2. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION-----

NAME	CAS#	PERCENT	AGENCY	EXPOSURE LIMITS	COMMENTS
PULP	65996-61-4	>99	OSHA	PEL-TWA 15 MG/M3	TOTAL DUST
(CELLULOSE)			OSHA	PEL-TWA 5 MG/M3	RESPIRABLE DUST
			ACGIH	TLV-TWA 10 MG/M3	TOTAL DUST

------3. HAZARD IDENTIFICATION ------

APPEARANCE AND ODOR:

The product is an odorless, white rolled or baled pulp sheet.

PRIMARY HEALTH HAZARDS:
The primary health hazard posed by this product is thought to be due to exposure to dust.

PRIMARY ROUTE(S) OF EXPOSURE:
_ Ingestion:
_ Skin:
* Inhalation: Dust
* Eye: Dust

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
Cellulose dust may aggravate pre-existing respiratory conditions or allergies.

CHRONIC HEALTH HAZARDS:
Paper (cellulose) dust is a biologically inert dust that has little or no effect on the lungs and does not produce significant organic disease or toxic effect when allowable exposure limits are met.

CARCINOGENICITY LISTING:

NTP:	Not listed
IARC Monographs:	Not listed
OSHA Regulated:	Not listed

------4. EMERGENCY AND FIRST-AID PROCEDURES ------

INGESTION:
Not applicable for product in purchased form.

EYE CONTACT:
Dust may mechanically irritate the eyes, resulting in redness or watering. Treat dust in eye as foreign object. Flush with water to remove dust particles. Seek medical help if irritation persists.

SKIN CONTACT:
Not applicable for product in purchased form.

SKIN ABSORPTION:
Not applicable for product in purchased form.

INHALATION:
Excessive dust concentrations may cause unpleasant deposit or obstruction in the nasal passages. Remove to fresh air. Seek medical help if persistent irritation, severe coughing or breathing difficulty occurs.

NOTE TO PHYSICIAN: None

------5. FIRE AND EXPLOSION DATA ------

FLASH POINT (Method Used): NAP

FLAMMABLE LIMITS:
LFL = See below under "Unusual Fire and Explosion Hazards"
UFL = NAP

EXTINGUISHING MEDIA: Water

AUTOIGNITION TEMPERATURE: 450°F (232°C)

SPECIAL FIREFIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS:
Depending on moisture content, particle diameter and rate of heating, cellulose dust may explode in the presence of an ignition source. An airborne concentration of 30,000 mg/m³ is often used as the LEL for cellulose pulp.

NFPA RATING (Scale 0-4):
Health = 0 Fire = 1 Reactivity = 0

------6. ACCIDENTAL RELEASE MEASURES ------

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Not applicable for product in purchased form. Sweep or vacuum dust for recovery or disposal. Avoid dusty conditions and provide adequate ventilation. Use NIOSH/MSHA-approved dust respirator and goggles where ventilation is not possible and exposure limits may be exceeded.

OTHER PRECAUTIONS:
Minimize compressed air blowdown or other practices that generate high dust levels.

------7. HANDLING AND STORAGE ------
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
No special handling precautions are required. Keep in cool, dry place away from open flame and other sources of ignition.

------8. EXPOSURE CONTROLS/PERSONAL PROTECTION ------
PERSONAL PROTECTIVE EQUIPMENT:
RESPIRATORY PROTECTION - Not applicable for product in purchased form. A NIOSH/MSHA approved respirator is recommended when allowable exposure limits may be exceeded.

PROTECTIVE GLOVES - Not required. However, cloth, canvas, or leather gloves are recommended to minimize potential mechanical irritation from handling product.

EYE PROTECTION - Not applicable for product in purchased form. However, goggles or safety glasses are recommended if the product is used in such a way as to generate high dust levels.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT - Not applicable for product in purchased form. Outer garments may be desirable in extremely dusty areas.

WORK/HYGIENE PRACTICES - Not applicable for product in purchased form.

VENTILATION:

LOCAL EXHAUST - Provide local exhaust as needed so that exposure limits are met.

MECHANICAL (GENERAL) - Provide general ventilation in processing and storage areas so that exposure limits are met.

SPECIAL - None

OTHER - None

------9. PHYSICAL AND CHEMICAL PROPERTIES ------

PHYSICAL DESCRIPTION: The product is an odorless, white rolled or baled pulp sheet.

BOILING POINT (@ 760 mm Hg): NAP
EVAPORATION RATE (Butyl Acetate = 1): NAP
FREEZING POINT: NAP
MELTING POINT: NAP
MOLECULAR FORMULA: NAP
MOLECULAR WEIGHT: NAP
OIL-WATER DISTRIBUTION COEFFICIENT: NAP
ODOR THRESHOLD: ND
PH: NAP
SOLUBILITY IN WATER (% by weight): <1.0
SPECIFIC GRAVITY (H2O = 1): 0.6
VAPOR DENSITY (air = 1; 1 atm): NAP
VAPOR PRESSURE (mm Hg): NAP
VISCOSITY: NAP
% VOLATILE BY VOLUME [@ 70°F (21°C)]: NAP

------10. STABILITY AND REACTIVITY DATA ------
STABILITY: __Unstable . _*_Stable
CONDITIONS TO AVOID: NAP
INCOMPATIBILITY (MATERIALS TO AVOID):
Avoid open flame, sparks and other sources of ignition.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:
Combustion products include carbon monoxide, carbon dioxide and fine particulate in the form of smoke.
HAZARDOUS POLYMERIZATION: __May occur . _*_Will not occur
SENSITIVITY TO MECHANICAL IMPACT: NAP
SENSITIVITY TO STATIC DISCHARGE: NAP

------11. TOXICOLOGICAL INFORMATION ------
TOXICITY DATA:
COMPONENTS:
PRODUCT IN PURCHASED FORM:
ACUTE TOXICITY: LD50 (rats, oral) >5000 mg/kg
HUMAN SKIN IRRITATION:
Non-irritating. Does not cause sensitization.
CHRONIC TOXICITY:
No evidence of mutagenic, reproductive or carcinogenic effects.
CELLULOSE LC50 (rats, inhalation) = 5,800 mg/m³ / 4 hours.
Source: Registry of Toxic Effects of Chemical Substances (RTECS),
National Institute for Occupational Safety and Health.
TARGET ORGANS: Eyes, respiratory system

------12. ECOLOGICAL INFORMATION ------
ENVIRONMENTAL FATE:
No information available at this time. Material naturally
biodegrades when exposed to the environment.

ENVIRONMENTAL TOXICITY:
No information available at this time. A biodegradation product
promotes soil fertility and plant growth. No toxic components

are used in the manufacture of these materials.

------13. DISPOSAL CONSIDERATIONS ------

WASTE DISPOSAL METHOD:

Recycling centers are available in nearly every major and most small cities within the US and Canada that can take waste paper at no charge. Deposit in a landfill or incinerate in accordance with federal, state and local regulations. Cellulose is not listed under any sections of the Resource Conservation and Recovery Act (RCRA) or Canadian National Pollution Release Inventory (NPRI) Follow all applicable federal, state, provincial and local regulations. It is, however, the user's responsibility to determine at the time of disposal whether your product meets RCRA criteria for hazardous waste.

------14. TRANSPORT INFORMATION ------

MODE:

(Air, Land, water) Not regulated as a hazardous material by the U.S. Department of Transportation. Not listed as a hazardous material in Canadian Transportation of Dangerous Goods (TDG) regulations. Not listed as a Hazardous material for IATA and IMDG.

PROPER SHIPPING NAME: NAP

HAZARD CLASS: NAP

UN/NA ID NUMBER: NAP

PACKING GROUP: NAP

INFORMATION REPORTED FOR PRODUCT/SIZE: NAP

------15. REGULATORY INFORMATION ------

TSCA: All ingredients are on the TSCA inventory.

CERCLA: NAP

DSL: All ingredients are listed under the Canadian Domestic Substance List.

EINECS: All ingredients are listed on the European Inventory of Existing Commercial Chemical Substances or European List of Notified Chemical substances.

ENCS: Cellulose (pulp) is not listed or is exempt from the Japanese Existing and New Chemical Substances List as regulated by the Ministry of International Trade and Industry.

AICS: All ingredients are listed on the Australian Inventory of Chemical Substances.

KECL: All ingredients are listed on the South Korean Existing Chemicals List.

OSHA: OSHA Hazard Communication Standard [29 CFR 1910.1200].

STATE RIGHT-TO-KNOW:

California Prop 65 - This product does not contain any substances listed under California Prop. 65.

New Jersey - This product does not contain any substances listed by the state of New Jersey.

Pennsylvania - This product contains cellulose, a substance listed by the state of Pennsylvania.

SARA 313 INFORMATION:

To the best of our knowledge, this product contains no chemical subject to SARA Title II Section 313 supplier notification

requirements.

SARA 311/312 HAZARD CATEGORY:

This product has been reviewed according to the EPA "Hazard Categories" promulgated under SARA Title III Sections 311 and 312 and is considered, under applicable definitions, to meet the following categories:

An immediate (acute) health hazard:	NO
A delayed (chronic) health hazard:	NO
A fire hazard:	NO
A reactivity hazard:	NO
A sudden release hazard:	NO

FDA: Meets FDA requirements for direct food contact.

WHMIS CLASSIFICATION: Not a controlled product.

------16. OTHER INFORMATION ------

DATE PREPARED: 1/15/88
DATE REVISED: 08/29/05
PREPARED BY:
Weyerhaeuser Company Corporate Environment, Health & Safety

WEYERHAEUSER MSDS AVAILABLE ON:
http://www.weyerhaeuser.com/environment/msds/default.asp

USER'S RESPONSIBILITY:

The information contained in this Material Safety Data Sheet is based on the experience of occupational health and safety professionals and comes from sources believed to be accurate or otherwise technically correct. It is the user's responsibility to determine if the product is suitable for its proposed application(s) and to follow necessary safety precautions. The user has the responsibility to make sure that this MSDS is the most up-to-date issue.

DEFINITION OF COMMON TERMS:

ACGIH =
American Conference of Governmental Industrial Hygienists
AICS =
Australian Inventory of Chemical Substances
C =
Ceiling Limit
CAS# =
Chemical Abstracts System Number
DOT =
U. S. Department of Transportation
DSL =
Domestic Substance List
EC50 =
Effective concentration that inhibits the endpoint to 50% of control population
EINECS =
European Inventory of Existing Commercial Chemical Substances
or European List of Notified Chemical Substances
ENCS =
Japanese Existing and New Chemical Substances List
EPA =
U.S. Environmental Protection Agency
IARC =
International Agency for Research on Cancer
IATA =
International Air Transport Association
IMDG =
International Maritime Dangerous Goods
KECL =
South Korean Existing Chemicals List
LC50 =
Concentration in air resulting in death to 50% of experimental animals
LCLO =
Lowest concentration in air resulting in death
LD50 =
Administered dose resulting in death to 50% of experimental animals
LDLO =
Lowest dose resulting in death
LEL =
Lower Explosive Limit

LFL =
Lower Flammable Limit
MSHA =
Mining Safety and Health Administration
NAP =
Not Applicable
NAV =
Not Available
NIOSH =
National Institute for Occupational Safety and Health
NPRI =
Canadian National Pollution Release Inventory
NTP =
National Toxicology Program
OSHA =
Occupational Safety and Health Administration
PEL =
Permissible Exposure Limit
RCRA =
Resource Conservation and Recovery Act
STEL =
Short-Term Exposure Limit (15 minutes)
STP =
Standard Temperature and Pressure
TCLo =
Lowest concentration in air resulting in a toxic effect
TDG =
Canadian Transportation of Dangerous Goods
TDLo =
Lowest dose resulting in a toxic effect
TLV =
Threshold Limit Value
TSCA =
Toxic Substance Control Act
TWA =
Time-Weighted Average (8 hours)
UFL =
Upper Flammable Limit
WHMIS =
Workplace Hazardous Materials Information System