

Cotton Seed Hulls

SECTION 1. IDENTIFICATION

Product Identifier	Cotton Seed Hulls
Other Means of Identification	Cellulose Material
Other Identification	None
Product Family	Mixture
Recommended Use	Animal Feed and other
Restrictions on Use	None known.
Supplier Identifier	Pestell Minerals & Ingredients 141 Hamilton Rd New Hamburg, Ontario, N3A2H1, Canada
Emergency Phone No.	CANUTEC, (613) 996-6666, 24/7
Date of Preparation	September 28, 2018

SECTION 2. HAZARD IDENTIFICATION

Classification

Not classified under any hazard class.

Label Elements

Not applicable

Other Hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No	Concentration
Cottonseed Hulls	N/A	up to 100%

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove source of exposure or move to fresh air. Perform artificial respiration if breathing has stopped. Get medical attention. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Get medical advice or attention if you feel unwell or are concerned. Clean clothing, shoes and leather goods.

Eye Contact

Quickly and gently blot or brush chemical off the face. Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

Ingestion

Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned.

First-aid Comments

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Get medical advice or attention if you feel unwell or are concerned. Some first-aid procedures require advanced training.

Most Important Symptoms and Effects, Acute and Delayed

Can irritate the nose and throat. May cause coughing. If in eyes: may cause slight irritation as a "foreign object". Tearing, blinking and mild temporary pain may occur as particles are rinsed from the eye by tears.

Immediate Medical Attention and Special Treatment

Target Organs

Eyes, respiratory system.

Special Instructions

Not applicable.

Medical Conditions Aggravated by Exposure

Asthma.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

Can ignite if strongly heated. Combustible dust. May form combustible dust concentration in air.

In a fire, the following hazardous materials may be generated: carbon oxides.

Special Protective Equipment and Precautions for Fire-fighters

No special precautions are necessary.

No special equipment is required. Wear equipment suitable for surrounding fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use suitable protective gloves if risk of skin contact. Wear dust resistant safety goggles where there is danger of eye contact. Wear appropriate clothing to prevent repeated or prolonged skin contact. Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

No special precautions are necessary. It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

Avoid generating dust. Collect using shovel/scoop or approved HEPA vacuum and place in a suitable container for disposal. Store recovered product in suitable containers that are: covered.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid handling causing generation of dust. Wear full protective clothing for prolonged exposure and/or high concentrations. Eye wash and emergency shower must be available at the work place. Wash hands often and change clothing when needed. Provide good ventilation.

Conditions for Safe Storage

Store in an area that is: ventilated, dry, separate from incompatible materials (see Section 10: Stability and Reactivity). Comply with all applicable health and safety regulations, fire and building codes.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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Control Parameters

Not available.

Raw cotton dust TWA = 0.2 mg/m³; PEL = 1 mg/m³

Appropriate Engineering Controls

Provide eyewash and safety shower if contact or splash hazard exists. Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

Individual Protection Measures

Eye/Face Protection

Wear dust resistant safety goggles where there is danger of eye contact.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

Wear a NIOSH approved particulate respirator equipped with an N95, R95, or P95 filter.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Brown powder. Particle Size: Not applicable
Odour	Fragrant
Odour Threshold	Not available
pH	Not applicable
Melting Point/Freezing Point	Not applicable (melting); Not applicable (freezing)
Initial Boiling Point/Range	Not applicable
Flash Point	Not available
Evaporation Rate	Not applicable
Flammability (solid, gas)	Not available
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	0.24
Solubility	Insoluble in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not applicable
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not applicable (kinematic); Not applicable (dynamic)
Other Information	
Physical State	Solid
Molecular Formula	Mixture
Molecular Weight	Mixture
Bulk Density	Not available
Surface Tension	Not applicable
Critical Temperature	Not available
Electrical Conductivity	Not available
Vapour Pressure at 50 deg C	Not available
Saturated Vapour Concentration	Not available

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SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Generation of dust. Incompatible materials.

Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid).

Hazardous Decomposition Products

Under fire conditions: carbon oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

Acute Toxicity

LC50: No information was located.

LD50 (oral): No information was located.

LD50 (dermal): No information was located.

Skin Corrosion/Irritation

Prolonged exposure may cause mild irritation.

Serious Eye Damage/Irritation

Animal tests show mild irritation.

Dust particles may be a mechanical irritant.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause mild respiratory irritation.

Ingestion

May cause gastric distress, nausea and vomiting if ingested.

Aspiration Hazard

Not known to be an aspiration hazard.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Repeated particulate inhalation may lead to pulmonary fibrosis, chronic bronchitis, emphysema and bronchial asthma.

Respiratory and/or Skin Sensitization

Not a skin sensitizer.

Product itself is not known to be a respiratory sensitizer, but chronic exposure may cause an allergic response due to allergens or fungi on the dust.

Carcinogenicity

Not a carcinogen.

Reproductive Toxicity

Development of Offspring

Not known to harm the unborn child.

Sexual Function and Fertility

Not known to cause effects on sexual function or fertility.

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Effects on or via Lactation

No information was located.

Germ Cell Mutagenicity

Not known to be a mutagen.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

Product is not expected to be damaging to aquatic or terrestrial life.

Persistence and Degradability

Degrades rapidly based on quantitative tests.

Bioaccumulative Potential

This product and its degradation products are not known to bioaccumulate.

Mobility in Soil

No information was located.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal Methods**

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction. The required hazard evaluation of the waste and compliance with the applicable hazardous waste laws are the responsibility of the user. Store product for disposal as described under Storage in Section 7 of this safety data sheet. Dispose of or recycle empty containers through an approved waste management facility.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

Environmental Hazards Not applicable

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION**Safety, Health and Environmental Regulations****Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

Listed on the DSL.

USA**Toxic Substances Control Act (TSCA) Section 8(b)**

Listed on the TSCA Inventory.

Additional USA Regulatory Lists

CERCLA: Not listed. SARA Title III - Section 313: Not listed. SARA Title III - Section 311/312: Not listed. California

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SECTION 16. OTHER INFORMATION

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Revision Indicators Not applicable.

Key to Abbreviations ACGIH® = American Conference of Governmental Industrial Hygienists
AIHA® = AIHA® Guideline Foundation DSL = Domestic Substances List
HSDB® = Hazardous Substances Data Bank
IARC = International Agency for Research on Cancer
IDLH = Immediately Dangerous to Life and Health
NDSL = Non-Domestic Substances List
NFPA = National Fire Protection Association NIOSH = National Institute for Occupational Safety and Health
NTP = National Toxicology Program
OSHA = US Occupational Safety and Health Administration
PEL = Permissible Exposure Limit
REL = Recommended Exposure Limit
RTECS® = Registry of Toxic Effects of Chemical Substances
STEL = Short Term Exposure Limit
TSCA = Toxic Substances Control Act
TWA = Time Weighted Average

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