

Material Safety Data Sheet

May be used to comply with

OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health
Administration

(Non-Mandatory Form)

Form approved

OMB No. 1218-0072



IDENTITY (as Used on Label and List)	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
Processed Corn cobs	

Section I

Manufacturer's Name Olson Milling	Emergency Telephone Number 515-332-3474
Address (Number, Street, City, State, and ZIP Code) 1822 Kentucky Ave. Humboldt, IA 50548	Telephone Number for Information 515-332-3474
	Date Prepared January 2002
	Signature of Preparer (optional)

Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	(optional)
DESCRIPTION. Processed corn cobs are 100% natural corn cob fractions. Corn cob fractions are classified as nuisance dust under OSHA regulations. Nuisance dust has a long history - little adverse effect on lungs and does not produce significant organic disease or toxic effect when exposures are kept minimal.				
	OSHA PEL-TWA-15MG/M ³	ACGIH 1986-87 TLV-TWA-10MG/M ³		
No case has been assigned because there are no chemicals involved.				

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	1.17
Vapor Pressure (mm. Hg.)	N/A	Melting Point	22°C - 73°F
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	7.4%		
Appearance and Color	Colorless to light yellow		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	Upper
75°C / 165°F	N/A	
Extinguishing Media	N/A	
Special Fire Fighting Procedures	N/A	
Reactivity	N/A	
Unstable Fire and Explosion Hazards	(-20% Fresh Coat Concentration) (-20% Fresh Coat Concentration) (-20% Fresh Coat Concentration)	
Minimum Explosive Concentration	0.045 g./fl.oz.	
Relative Volatility	0.514 (Sept. 1982)	

Section V - Reactivity Data

Stability	Unstable	Conditions to Avoid
PH 7-9	Stable	Processed with acids and caustics
Compatibility	Incompatible with	
Organic Peroxides	Organic Peroxides	
Hydrocarbons	May Occur	
Polymerization	Will Not Occur	
	X	

Unstable to heat

Stable to acids and caustics

Organic Peroxides may be CO/CO₂ Toxicity

Stability: Stable to heat

Organic Peroxides: May Occur

Hydrocarbons: Will Not Occur

Polymerization: X

Section VI - Health Hazard Data

Routes of Entry:	Inhalation? Possible	Skin? No	Ingestion? Possible
Health Hazard (Chemical Property)	Avoid breathing dust, not considered hazardous by ingestion		
Used as a vitamin carrier in many animal feed products.	Avoid breathing dust, not considered hazardous by ingestion		
Chronicity:	NIPI? N/A	ARC Monographs? N/A	USHA Regulated? N/A
Signs and Symptoms of Exposure	N/A		
Medical Conditions	Generally Approved by Exposure If inhaled, move to fresh air to relieve coughing/sneezing.		
Emergency and First Aid Procedures	If eye irritation/flush with water. If swallowed, this product is not considered harmful. product is used as animal feed.		

Section VII - Precautions for Safe Handling and Use

Steps to be taken in Case Material is Released or Spilled

~~Not classified as hazardous material in accordance with~~

Sweep/shovel and dispose of normally.

Waste Disposal Method

Dispose of all waste according to Federal, State and local regulations.

Precautions to be taken in Handling and Storage

Store in dry area. Take care not to puncture/tear bags.

Other Precautions

Processed into bags to not contain fluids non-flammable neutral or less hazardous.

Section VIII - Control Measures

Respiratory Protection (Specify Type) If bag is broken or product spill, as respirator may be needed.		
Ventilation	Local Exhaust N/A	Special N/A
	Mechanical (General) N/A	Other N/A
Protective Gloves No		Eye Protection Standard goggles if necessary
Other Protective Clothing or Equipment		
Work/Hygienic Practices Normal and routine hygiene practices recommended		

* U.N.G.P.O. 1986 - 491 - 529/437/5