

**12737-1010**

## Material Safety Data Sheet

NFPA	WHMIS	Personal Protective Equipment	Transport Symbol

Preparation Date 05-Mar-2009

Revision Date: 07-Dec-2009

Revision Number 2

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Aytex P Wheat Starch

Product Code: 011476

Use of the Substance / Preparation:  
Food Ingredient

Contact Manufacturer:

ADM Milling Co.  
8000 W. 110th Street  
Overland Park, KS 66210Emergency Telephone Number:  
Chemtrec 1-800-424-9300

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Product dust may be irritating to eyes, skin and respiratory system. Fine dust dispersed in air may ignite.

Appearance White

Physical State Powder

Odor Odorless

#### Potential Health Effects

##### Principle Routes of Exposure

##### Acute Effects

Eyes  
Skin  
Inhalation  
Ingestion

Eye contact, Skin contact, Inhalation.

May cause slight irritation

May cause slight skin irritation

May cause irritation of respiratory tract

May produce an allergic reaction. Health injuries are not known or expected under normal use.

##### Chronic Effects

##### Aggravated Medical Conditions

##### Potential Environmental Effects

##### Toxicological Information

Repeated contact may cause allergic reactions in very susceptible persons.

Respiratory disorders . Skin disorders .

There is no known ecological information for this product

See Section 11 for additional toxicological information.

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Aytex P Wheat Starch**3. COMPOSITION/INFORMATION ON INGREDIENTS**Common Name Wheat Starch  
Chemical Family Carbohydrate

The following component(s) in this product are considered hazardous under applicable OSHA (USA), WHMIS (Canada), and/or NOM-002-SCT-2003 (Mexico) regulations

Chemical Name	CAS-No	Weight %	North American Hazard Indicator
wheat starch	9005-25-8	100	yes (respirable dust)

**4. FIRST AID MEASURES**

**General Advice** Contains wheat. May produce an allergic reaction.  
**Eye Contact** Rinse thoroughly with plenty of water, also under the eyelids  
**Skin Contact** Rinse with water.  
**Inhalation** Call a doctor immediately if allergic signs, particularly in the respiratory tract, are observed.  
**Ingestion** Consult a physician if necessary.  
**Notes to Physician** Treat symptomatically

**5. FIRE-FIGHTING MEASURES****Flammable Properties**

Fine dust dispersed in air may ignite. Risks of ignition followed by flame propagation or secondary explosions should be prevented by avoiding accumulation of dust, e.g. on floors and ledges. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. No information available. Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>).

**Suitable Extinguishing Media****Unsuitable Extinguishing Media**  
**Hazardous Combustion Products**  
**Explosion Data**

Sensitivity to mechanical impact  
Sensitivity to static discharge  
Specific Hazards Arising from the Chemical

No information available.  
Yes (as dust).  
None known

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

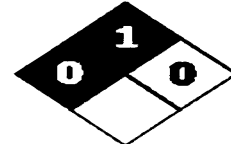
**NFPA**

Health 0

Stability and Reactivity 0

Flammability 1

Physical hazard -

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions**  
**Environmental Precautions**  
**Methods for Clean-up**

Avoid dust formation. Use personal protective equipment. Local authorities should be advised if significant spillages cannot be contained. Shovel or sweep up.

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Aytex P Wheat Starch**7. HANDLING AND STORAGE**

**Handling** Ensure adequate ventilation. Avoid dust formation in confined areas. Fine dust dispersed in air may ignite. Refer to NFPA 61, "Standard for the Prevention of Fires and Dust Explosions in Agricultural and Food Processing Facilities".

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Limits****Components with workplace control parameters**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	MEXICO
w heat starch	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> (total dust) TWA: 5 mg/m <sup>3</sup> (respirable fraction)		

**Legend**

ACGIH TLV - American Conference of Governmental Industrial Hygienists Threshold Limit Values. OSHA PEL - Occupational Safety and Health Administration Permissible Exposure Limits. TWA - Time weighted average.

**Engineering Measures** Ensure adequate ventilation, especially in confined areas. Apply technical measures to comply with the occupational exposure limits. However it is the duty of the user to verify this and follow given exposure limits at the workplace.

**Personal Protective Equipment**

Eye/face Protection.  
Skin and Body Protection  
Respiratory Protection

Safety glasses with side-shields.  
Long sleeved clothing Protective gloves  
In case of insufficient ventilation wear suitable respiratory equipment.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	White	<b>Physical State</b>	Powder
<b>Odor</b>	Odorless	<b>Odor Threshold</b>	No information available
<b>Flash Point</b>	Not applicable	<b>Autoignition Temperature</b>	No information available
<b>Boiling point</b>	Not applicable	<b>Melting/Freezing Point</b>	Not applicable
<b>Flammability Limits in Air</b>	No information available	<b>Explosion Limits</b>	No information available
<b>Minimum Ignition Temperature</b>	430°C / 806°F		
<b>pH</b>	6	<b>Vapor Pressure</b>	No information available
<b>Water Solubility</b>	Negligible	<b>Specific Gravity</b>	No information available
<b>Evaporation Rate</b>	No information available	<b>Vapor Density</b>	No information available
<b>Bulk Density</b>	45 lb/cu ft		

**10. STABILITY AND REACTIVITY**

**Chemical Stability**  
**Conditions to Avoid**  
**Incompatible Materials**  
**Hazardous Decomposition Products**  
**Possibility of Hazardous Reactions**

Stable under normal conditions  
Avoid dust formation.  
Strong oxidizing agents.  
None known.  
None under normal processing

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LD50 Oral: No information available  
 LD50 Dermal: No information available  
 LC50 Inhalation: No information available

**Toxicology data for the components**  
 No information available

**Chronic Effects****Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	OSHA	ACGIH	NTP	MEXICO	IARC
wheat starch		A4			

**OSHA: (Occupational Safety & Health Administration)**

Not Listed

**ACGIH: (American Conference of Governmental Industrial Hygienists)**

A4 - not classifiable as a human carcinogen.

**NTP: (National Toxicity Program)**

Not Listed

**Mexico: (Official Mexican Norm NOM-010-STPS-1999)**

Not Listed

**IARC: (International Agency for Research on Cancer)**

Not Listed

**Subchronic Toxicity** No information available.

**Corrosivity** No information available.

**Neurological Effects** No information available.

**Reproductive Effects** No information available.

**Teratogenicity** No information available.

**Irritation** Skin hm n 300 µg/3D-I MLD

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Developmental Effects** No information available.

**Target Organ Effects** Eyes, Skin, Respiratory system.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Contains no substances known to be hazardous to the environment. Contains no substances known to be not degradable in waste water treatment plants..

**Persistence/Degradability**  
**Bioaccumulation/ Accumulation**  
**Mobility**

Readily biodegradable.  
 Not applicable.  
 Dispersible in water.

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**Waste Disposal Methods** Dispose of in compliance with the laws and regulations pertaining to this product in your jurisdiction

**Contaminated Packaging** Empty containers should be taken for local recycling, recovery or waste disposal

**14. TRANSPORT INFORMATION****Domestic transport regulations (USA)**

DOT Not regulated

**Domestic transport regulations (Canada)**

TDG Not regulated

**Domestic transport regulations (Mexico)**

MEX Not regulated

**International transport regulations**

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

**15. REGULATORY INFORMATION****International Inventories**

The components of this product are reported in the following inventories:

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	AICS	ENCS	CHINA	PICCS	KECL	NZLoC
wheat starch	Yes	Yes	No	Yes 232-679-6	No	Yes	No	Yes	Yes	Yes KE-32128	Yes

**Legend**

TSCA - Toxic Substances Control Act, Section 8(b) Inventory (USA). DSL - Domestic Substance List (Canada). NDSL - Non Domestic Substances List (Canada). EINECS - European Inventory of Existing Commercial Chemical Substances (EU). ELINCS - European List of Notified Chemical Substances (EU). AICS - Australian Inventory of Chemical Substances (Australia). ENCS - Existing and New Chemical Substances (Japan). CHINA - Chinese Inventory of Existing Chemical Substances (China). PICCS - Inventory of Chemicals and Chemical Substances (Philippines). KECL - Korean Existing and Evaluated Chemical Substances (Korea). NZLoC - New Zealand Inventory of Chemicals (New Zealand).

**USA****Federal Regulations****Ozone Depleting Substances:**

No Class I or Class II material is known to be used in the manufacture of, or contained, in this product.

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not known to contain any chemicals which are subject to the reporting requirements of the Act or regulations contained in 40 CFR 372.

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Aytex P Wheat Starch**SARA 311/312 Hazardous Categorization**

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**  
This product is not known to contain any HAPS.

**State Regulations****California Proposition 65**

Proposition 65 chemicals are not expected to be found in this product above those naturally present in their agricultural source. Proposition 65 exempts naturally occurring listed chemicals from an obligation to label.

**State Right-to-Know****Component Information**

Chemical Name	Weight %	Illinois	Massachusetts	New Jersey	Pennsylvania	Rhode Island
wheat starch	100	No	Yes	No	No	Yes (toxic)

**Canada****WHMIS Product Classification**

Exempt: Food Product per Hazardous Products Act Part II Controlled Products Section 12.

**WHMIS Ingredient Disclosure List IDL**

No known component is listed on the WHMIS ingredients disclosure list.

**(NPRI) Canadian National Pollutant Release Inventory**

No known component is listed on NPRI.

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

**Mexico****Mexico - Grade**

No information available.

**16. OTHER INFORMATION**

**Prepared By**  
**Preparation Date**  
**Revision Date:**  
**Revision Summary**

ADM Milling Co.  
05-Mar-2009  
07-Dec-2009  
This data sheet contains changes from the previous version in section(s) 2, 5, 7, 12. This version replaces all previous versions.

**Disclaimer**

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End of (M)SDS