

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Contact: ACH Food Companies, Inc., 7171 Goodlett Farms Parkway, Memphis, TN 38016

Telephone Number: 1-800-691-1106

Identity: Corn Starch

Trade Names: Corn Starch (Argo, Kingsford, Canada, Benson's, Chefmate)

Ingredients/Chemical Name: Amylose and amylopectin

Date Prepared: February 3, 2010

Other: N.A.

SECTION 2 – HAZARDOUS CHEMICAL COMPONENTS

Component: Starch (CAS No.9005-25-8)

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

NOTE: This product is a food grade product.

OSHA PEL: 15 mg/m³ (total dust); 5 mg/m³ (respirable fraction)

ACGIH TLV: 10 mg/m³

SECTION 3 – PHYSICAL DATA

Solubility (H2O): Partial Percent Volatiles: N/A
Vapor pressure: N/A Evaporation Rate: N/A
Vapor density: N/A Specific gravity: ca. 1.5

Appearance and odor: White powders, cereal-like odor

SECTION 4 – FIRE FIGHTING AND EXPLOSION DATA

Flash Point: N/A
Lower Explosive Limit: N/A

Autoignition Temperature: N/A
Upper Explosive Limit: N/A

Flammability Class per 29CFR 1910.106: N/A

Fire and Explosion Hazards

At high concentrations, starch dust is explosive. The minimum explosive concentration is ca. 40 gm/m³ (0.04 oz/ft³). There is no defined maximum explosive concentration. The minimum electrical energy required to initiate an explosion is ca. 40 millipoules.

Extinguishing Media

Water, carbon dioxide, dry chemical, or foam.

Special Fire Fighting Instructions

None applicable.



SECTION 5 – EXPOSURE EFFECTS AND FIRST AID

Route of Exposure -Inhalation

Inhalation of high concentrations of starch may cause transient irritation to the nose, throat, and upper respiratory tract. There are no known chronic toxic effects.

First Aid -Inhalation

Give the subject access to fresh air. If symptoms do not resolve quickly, seek medical assistance.

Route of Exposure - Skin

The product is not a skin irritant nor is it known to be allergenic.

First Aid -Skin

If skin irritation occurs, wash affected areas with soap and water for at least five minutes. Seek medical assistance if necessary.

Route of Exposure -Eyes

The product is non-irritating. Contact with the eyes may produce temporary discomfort due to the presence of foreign objects.

First Aid -Eves

Flush with water for at least 15 minutes. Seek medical assistance if required.

Route of Exposure -Ingestion

The product is non-irritating. Ingestion of large quantities may cause temporary discomfort in the mouth and upper gastrointestinal tract.

First Aid -Ingestion

Treat symptomatically. Seek medical assistance if required.

Miscellaneous Toxicological Information

Carcinogenicity: None of the components of this product are classified as potential or demonstrated human carcinogens by IARC, NTP, or OSHA.

SECTION 6 – REACTIVITY AND POLYMERIZATION

Stability

Stable.

Conditions to Avoid

High concentrations of starch dust in air (≥40 gm/m³) are potentially explosive. Avoid handling procedures that create dust clouds. Do not use product near open flames, welding or torch cutting, or near static discharges.

Incompatible Materials

Oxidizing agents.

Hazardous Decomposition Products

If the product is consumed by flame, thermal decomposition byproducts may include carbon monoxide, carbon dioxide, and smoke. Hazardous polymerization will not occur.

SECTION 7 – SPILL, LEAK AND DISPOSAL PROCEDURES

Steps to be Taken in The Event of Spills, Leaks or Release

Sweep up product and/or flush with water. Use only explosion-proof vacuum cleaners and avoid creating high concentrations of airborne dust. If using dry methods, eliminate sources of ignition and static discharge.

Waste Disposal Methods

Dispose of unused product in accordance with applicable Federal, State/Provincial, and local regulations. Do not flush large quantities of product into wastewater treatment facilities without the approval of the appropriate authority.



SECTION 8 – SPECIAL PROTECTIVE MEASURES

Ventilation

Use local exhaust ventilation if necessary to maintain airborne concentrations to within the appropriate exposure limit. Electrical connections for ventilation systems must be designed to prevent electrical or static discharges.

Eye Protection

Eye protection is not required under nomal conditions of use. If eye contact is likely, wear eye protection.

Skin Protection

Skin protection is not normally required.

Respiratory Protection

Respiratory protection is not normally required. If product is used in a manner that generates airborne dust not controlled by ventilation, wear a NIOSH-approved respirator with filters for protection against dusts and mists (type N95 minimum). For guidance on the selection and use of respiratory protection, consult American National Standard Z88.2-1992 (ANSI, New York, NY 10036 USA).

SECTION 9 – SPECIAL PRECAUTIONS – STORAGE AND HANDLING

Storage & Handling Conditions

Store containers in a dry place away from flames and incompatible materials (see Section 6).

SECTION 10 – OTHER REGULATORY INFORMATION

SARA Title III Notifications and Information

SARA Title III -Hazard Class(es): Acute health hazard

SARA Title III -Section 313 Supplier Notification: This product contains no chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372.

U.S. Food and Drug Administration (FDA)

All ingredients in these products are approved as safe for their intended uses by the FDA in the applicable sections of 21 CFR.

Controlled Products Regulations (Canada) Information

Hazardous Components Toxicology Data

Component (CAS No.)LD50 (Route/Species)LC50 (Route/Species)Starch (9005-25-8)No data availableNo data available

WHMIS Hazard Classification(s): None applicable Components on *Ingredients Disclosure List*: none

SECTION 11 – OTHER INFORMATION

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