

# MATERIAL SAFETY DATA SHEET

## Corn Dextrin

### Section I. - Chemical Product Information

Emergency tel. number: 1-800-424-9300 CHEMTREC

*Chemical Name:* Dextrin

*Synonym:* Yellow Dextrin, Corn Dextrin

*CAS Number:* 9004-53-9

*Chemical Formula:* (C<sub>6</sub>H<sub>10</sub>O<sub>5</sub>)<sub>n</sub>. xH<sub>2</sub>O

### HMIS Rating

Health	1
Flammability	1
Reactivity	0
Personal Protection	E

### Section II. Composition and Information on Ingredients

Material	CAS#	%	OSHA	ACGIH
Dextrin	9004-53-9	100%	15 mg/m <sup>3</sup> total dust	10 mg/m <sup>3</sup>

### Section III. Hazards Identification

*Accute Health Effects:* Not harmful under most conditions

*Chronic Health Effects:* This product has no known chronic effects. Repeated or prolonged exposure to this compound is not known to aggravate medical conditions.

*Accute Health Effects:* This product is not listed by NTP, IARC or regulated as a Carcinogen by OSHA.

### Section IV. First Aid Measures

*First Aid For Eye:* In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

*First Aid For Skin:* In case of contact, flush skin with water. Wash clothing before reuse. Call a physician if irritation occurs.

*First Aid For Inhalation:* If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

*First Aid For Ingestion:* If swallowed, call a physician immediately.

## Section V. Fire and Explosion Data

*Flammability:* Non-Flamable *Flash Points:* Not Applicable

*Auto-Ignition:* May occur above 400.C

*Flammable Limits:* Not Applicable

*Extinguishing Media:* Water, Foam, Carbon Dioxide

*Fire Fighting Procedure:* Good housekeeping best preventative. All dusts from grain products are potentially explosive.

*Fire/Explosion Hazards:* Avoid excessive dusting, open flames, open lights, or welding in area of dry product.

## Section VI. Accidental Release Measures

*Spill Or Leak Procedures:* Utilize recommended protective clothing and equipment. Clean spills in a manner that does not disperse dust into the air. Spill area can be washed with water. Collect wash water for approved disposal. Keep from entering water or ground water

## Section VII. Handling and Storage

*Storage Temperatures:* Store at ambient temperature

*Shelf Life:* Unlimited in tightly closed container.

*Special Sensitivity:* None

*Handling/Storage Precautions:* Avoid breathing dust. Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from direct sunlight. heat and incompatible materials. Reseal containers immediately after use. Store away from food and beverages.

## Section VIII. Exposure Controls/Personal Protection

*Eye Protection:* Safety glasses or goggles.

*Skin Protection:* PVC gloves with impervious boots, apron or coveralls. Employees should wash their hands and face before eating, drinking or using tobacco products.

*Respirator:* Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.

*Ventilation:* Use local ventilation if dusting is a problem. to maintain air levels below the recommended exposure limit. *Additional Protective Measures:* Emergency showers and eye wash stations should be available. Educate and train employees in the safe use and handling of hazardous chemicals.

## Section IX. Physical and Chemical Properties

*Physical Form:* Dry Powder

*Color:* Yellow

*Odor:* Odorless

*Molecular Weight:* {CeH100s)n. xH20 *Boiling Point:* Not Applicable *Melting/Freezing Point:* Not Applicable *Solubility In Water:* 90% Soluble *Specific Gravity:* 1.45

## Section X. Stability And Reactivity

*Stability:* Stable

*Hazardous Polymerization:* Will Not occur

*Incompatibilities:* Oxidizers

*Instable Conditions:* Excessive temperatures (see Incompatibilities). And Excessive Dusting  
*Decomposition Temperature:* Auto Ignition could occur at temperature above 400.C  
*Decomposition products:* Oxides of carbon

## Section XI. Toxicological Information

*RTECS Number:* HH 9450000

*Routes of Exposure:* Eye contact. Ingestion. Inhalation. Skin contact.

*Toxicity Data:* Oral LD50: Not Established

*Chronic Toxic Effects:* This product has no known chronic effects. Repeated or prolonged exposure to this compound is not known to aggravate medical conditions.

*Acute Toxic Effects:* Not harmful under most conditions

## Section XII. Ecological Information

*Ecotoxicity:* Not available at this time.

## Section XIII. Disposal Considerations

*Waste Disposal Method:* Waste disposal should be in accordance with existing federal, state and local environmental regulations.

## Section XIV. Transportation Information

*Proper Shipping Name:* Dextrin, yellow

*UN Number:* N/A

*Class:* N/A

*P.G.:* N/A

*Label Code:* N/A

## Section XV. Regulatory Information

*OSHA Status:* This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

*TSCA Chemical Inventory:* This compound is on the EPA Toxic Substance Control Act (TSCA) inventory List  
*California Proposition 65:* To the best of our knowledge, this product contains no levels of listed substances, which the state of California has found to cause cancer, birth defects or other reproductive effects.

*SARA 313 Title III:*

Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: None

Section 313 Toxic Chemicals: None

## **Section XVI. Other Information**

*Date: April 24, 2007*

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