

## Just Pigments



Updated Issue: 7/24/2017  
 Material Safety Data Sheet  
 Colored Maize Starch

### Section 1: Identification

Product Name: Colored Maize Starch  
 Product Formulation: Maize Starch & FD&C Aluminum  
 Lakes Physical Appearance: Solid Powder  
 Color: All Colors  
 General Use: General Craft Use

### Section 2: Hazard identification

#### HMIS Ratings

Health Hazard: 1  
 Flammability Hazard: 0  
 Reactivity Hazard: 0  
 Max Personal Protections: E



### Section 3: Composition/Information of Ingredients

	Weight %	CAS No	OSHA/PEL	ACGIH/TLV*
Cornstarch	92.5-00.1	0995-25-8	10 mg/m <sup>3</sup>	5mg/m <sup>3</sup>
FD&C Blue # 1 Lake	Proprietary	57455-37-5	N/A	N/A
FD&C Red #40 Lake	Proprietary	68583-95-9	N/A	N/A
FD&C Yellow #5 Lake	Proprietary	122225-21-7	N/A	N/A
FD&C Yellow #6 Lake	Proprietary	15790-07-5	N/A	N/A

### Section 4: First Aid Measures

**Inhalation symptoms**                      Seek medical attention if discomfort develops

**Eye Contact**  
 If discomfort develops, flush eyes with water for 15 minutes, occasionally lifting upper and lower eyelids. Seek medical attention if necessary. Safety eyewear if recommended whenever dusty powder situations are encountered.

**Skin contact**

If discomfort develops, wash with soap and water if irritation develops. Product may have abrasive action.

#### Ingestion

If discomfort develops when ingested, do not vomit. If conscious, drink two glasses of water. Seek medical attention if necessary.

### **Section 5: Fire-Fighting Measure**

Flammability Class: Starch is a class ST1 dust at normal moisture level  
Flash Point: Auto ignition temperature: 170 degree C Above this temperature starch will self-heat

Extinguishing Media: Use water

Explosive Range: Lower explosive limit: 60 g/ms  
Minimum Ignition Temperature: >30 mJ at moisture level  
P Max: 9.5 bar  
  
Kst: 170 Bar.m/s.

Layer Ignition Temperature: > 450 degree C

Auto ignition temperature: 170 C. Above this temperature starch will self-heat

In fire, it may decompose to release carbon dioxide, water and carbon monoxide (incomplete combustion).

#### **Flammable Properties:**

During a fire, irritating and toxic gases may be formed. Do not breathe smoke or fumes. Wear suitable protective equipment.

#### **Fire Fighting Instructions**

In case of fire, use water

In certain conditions starch/air mixtures are explosive. Avoid any ignition source

### **Section 6: Accidental release measures**

Proper respiratory and personal protective equipment may be required. Scoop up excess and place into proper containers. Temporary staining may occur. Follow all federal, state, and local regulations for proper disposal. Spilled materials may become slippery when wet. Care should be used.

### **Section 7: Handling and storage**

Scoop up spilled material into a proper container for disposal. Dispose material according to federal state, and local regulations. Follow all legislative requirements for non-hazardous waste disposal.

Store product in a dry, cool area for best storage. 50 to 90F storage temperature. Do not expose to open flame or sparks. Store away from heat.

### **Section 8: Exposure controls/personal protection**

Control Parameters: Use proper ventilation to keep respiratory exposure low

**Ventilation:** Dust collection/ventilation is recommended. Never use in an enclosed area

**Eyes:** Eye Protection is suggested

**Section 9: Physical and chemical properties**

Solubility in Water: Insoluble

Reactivity in Water: Not known

Flash Point: Not applicable

Appearance: Varies Blue, Green, Yellow, Pink, Purple, Orange, Red & Teal

Odor: None to mild

Fire Explosion Hazard: Starch/Air mixtures form explosive mixtures under certain extreme condition. Keep away from any ignition source

Extinguishing Media: Water, foam dry powder extinguisher

Stability: Stable

Materials/Conditions to Avoid: Excessive heat, open flames, sparks

**Section 10: Stability and reactivity**

Stability: Starch/air mixtures form explosive mixtures in certain extreme conditions. Refer to conditions in section 5

Incompatibility: None

Hazardous Decomposition Products: Refer to conditions in section 5

Hazardous Polymerization Products: Refer to conditions in section 5

**Section 11: Toxicological information**

No Toxicological studies have been conducted on this product.

**Section 12: Ecological Information**

No Studies have been conducted on this product.

**Section 13: Disposal**

Dispose of in accordance with local, state and federal regulations.

**Section 14: Transport Information**

DOT: Not Regulated

IATA: Not Regulated

IMDG/IMO: Not Regulated

## **Section 15: Regulatory Information**

SARA TITLE III SECTION 313: This product contains no chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act.

SARA TITL 311 AND 312:

None

TOXIC SUBSTANCE CONTROL ACT (TSCA): Included on the TSCA inventory under the Chemical Abstracts Service number 9005-25-8 which is described as "starch dust". Product may be considered to be 92.5-99.1% of the material listed under the CAS number.

STATE REGULATIONS

CALIFORNIA PROPOSTION 65:

None

New Jersey RTK Hazardous Substance List: Blue 1 Alum Lake. This component is only used in blue, green, and purple colors less than 1%.

Clean Water Act, Clean Air Act, Hazardous Air Pollutants (HAPS), and Clean Air Act Amendments

This product contains no ingredients regulated by these acts.

## **Section 16: Other Information**

This product should be stored, handled and used in accordance with good industrial hygienic practices and in conformity with any legal regulation. The above information is based on the present state of our knowledge of product at the time of publication. The user must satisfy himself that the product is entirely suitable for his purpose.

This information contained herein is based on the present state of our knowledge and believed to be correct but does not purport to be all-inclusive and shall be used as a guide. It does not represent a guarantee of properties of the product. It is the user's responsibility to determine the safety, toxicity, suitability of the product, all applicable national, international and local regulations or provisions and all above information for his/her own handling and use. No guarantee expressed or implied is made by Just Pigments and shall not be held liable for any damage resulting from handling, use of from contact with the above product. User assumes all risk and responsibility.