

## **FEED BINDER GE**

#### 1. Identification

Product identifier used on the

label:

PRODUCT NUMBER (NEW): 17782001 PRODUCT NUMBER (OLD): 53-1180

PRODUCT NAME: FEED BINDER GE

Other means of identification

Chemical Family: Modified Starch

Recommended use of the chemical and restrictions on use

Not Available Recommended use: Restrictions on uses: Not Available

Name, address, and telephone

Ingredion Incorporated number of the chemical 5 Westbrook Corporate Center

manufacturer, importer, or other

USA

responsible party: **Emergency phone number:** 

1-800-424-9400 (CHEMTREC)

Westchester, II. 60154

MEDICAL: 866-374-2659 (Health & Safety Call Center-24 hours) MSDS Requests/Customer Service: See phone numbers in Section 16

#### 2. Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200

**GHS Classification:** Combustible Dust Category 1

**GHS Signal Word:** Warning

**GHS Hazard Statements:** May form combustible dust concentrations in air

Hazards not otherwise No data available

classified:

#### 3. Composition/information on ingredients

Chemical Name:	CAS number and other unique identifiers	% (or range) of ingredient
None classified as hazardous under		
the OSHA Hazard Communication		
Standard (29CFR 1910.1200).		

#### 4. First-aid measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion

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Inhalation: Remove to fresh air. Get medical attention if irritation persists.

Remove particles by irrigating with eye wash solution or clean water, holding the Eyes:

eyelids apart. If symptoms develop, obtain medical attention.

Possible physical irritant from dust particles. Potential for dust explosion.

Skin Contact: Wash skin with soap and water.

Ingestion: None required.

**Most important** 

symptoms/effects, acute and

delaved:

Indication of immediate medical attention and special

treatment needed, if

necessary:

No further first aid information is available.

### 5. Fire-fighting measures

#### Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Dry Chemical; CO2; Water Fog; Foam None known.

Unsuitable extinguishing

media:

Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products):

**Hazardous Combustion** 

Products:

Special protective equipment and precautions for fire-

fighters:

Minimum ignition temperature of dust cloud- approx. 390 C. Minimum explosive concentration- approx. 80 mg/l. Minimum energy to ignite cloud by electrical spark- approx. 0.10 joules.

This product does not undergo spontaneous decomposition. Typical combustion

products are carbon monoxide, carbon dioxide, nitrogen and water.

No special procedures are required.

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Methods and materials for containment and cleaning up: Use personal protective equipment as required.

Normal precautions for "nuisance dust" should be observed. Avoid prolonged inhalation of dust. Sweep up or vacuum up and place in suitable container for

disposal.

Ambient.

None known

### 7. Handling and storage

Conditions for safe storage, including any incompatibilities

No

Sensitivity to Mechanical

Impact:

Sensitivity to Static Electricity:

Yes

Other Precautions:

Use care to minimize dust generation in normal use conditions.

Avoid dispersing the powder in the air. Prevent buildup of powder on surfaces.

Materials to Avoid/Chemical

Incompatibility:

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### 8. Exposure controls/personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:

Chemical Component	OSHA PEL	ACGIH TLV-TWA	AIHA Exposure limits
No data available			

This product can produce a nuisance dust which should be maintained below a time weighted average of 10 mg/m3.

Appropriate engineering controls

**Ventilation Requirements:** General.

Individual protection measures, such as personal protective equipment.:

**Eye Protection:** Safety glasses recommended.

Skin Protection: Gloves are not normally required for forseeable conditions of use.

**Respiratory Protection:** NIOSH approved dust mask.

**Other Protective** Not normally required.

**Equipment:** 

**General Hygiene** Wash before eating, drinking, or using toilet facilities.

**Conditions:** 

Change/Removal of

Clothing:

Not applicable.

## 9. Physical and chemical properties

**Pure Substance or Mixture:** Mixture Appearance (physical state): Powder. Color: White Odor: Starch Odor threshold: Not available **Molecular Weight:** > 10000 Not available pH in (1%) Solution: Approximately 6 **Melting Point/Freezing Point** Not available

(°C):

**Initial Boiling Point and Boiling** Not available

Range (°C):

Flash Point (°C): Not applicable **Evaporation Rate:** Not applicable

Flammability (solid, gas): No

**Upper Flammable/Explosive** 

Limit:

Not applicable

Lower Flammable/Explosive

Limit:

Not applicable

**Vapor Pressure:** Not applicable Vapor Density: Not applicable **Relative Density:** Not available

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## **FEED BINDER GE**

Specific Gravity 1.5

Solubility(ies) in Water: Insoluble Partition coefficient: n- Not applicable

octanol/water:

**Auto-ignition Temperature** 

(°C):

Not available

**Decomposition Temperature:** Not determined. **Viscosity:** Not applicable

Volatiles None

Volatile Organic Compounds Not applicable

#### 10. Stability and reactivity

**Reactivity:** Not expected to be reactive

**Chemical stability:** Material is stable under normal temperatures and pressures.

Possibility of hazardous

reactions:

Hazardous polymerization will not occur.

Conditions to avoid (e.g., None known

static discharge, shock, or

vibration):

Incompatible materials: None known

Hazardous decomposition This prod

products:

This product does not undergo spontaneous decomposition. Typical combustion

products are carbon monoxide, carbon dioxide, nitrogen and water.

## 11. Toxicological information

Information on the likely routes of exposure (inhalation,

ingestion, skin and eye

contact):

Symptoms related to the physical, chemical and

toxicological characteristics:

Eye Contact, Skin Contact, Inhalation, Ingestion

No data available

Delayed and immediate effects and also chronic effects from short- and long-term exposure:

Acute (Short Term) Effects of Exposure

Effects of Acute Exposure Unlikely to cause harmful effects under recommended conditions of handling and

use.

Chronic (Long Term) Effects of Exposure

Effects of Chronic Exposure This product is considered as being non-toxic. Use of good industrial hygiene

practices is recommended.

Target Organs Not applicable.

Numerical measures of toxicity (such as acute toxicity estimates)

No data available

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## **FEED BINDER GE**

### Has the chemical been classified as a Carcinogen by NTP, IARC or OSHA.

Chemical Name	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen
There is no evidence that			
this product poses a			
carcinogenic risk under			
normal conditions of			
handling and use.			

## 12. Ecological information

Ecotoxicity (aquatic and

terrestrial, where available):

Persistence and

degradability:

Bioaccumulative potential:

Mobility in soil:

Other adverse effects (such as hazardous to the ozone

layer):

No information available.

No data available

Unknown. Unknown.

No data available

140 data available

#### 13. Disposal considerations

**Waste Disposal Methods:** Disposal should be in accordance with local, state or national legislation.

Empty Container Warnings: Empty containers may contain product residue; follow MSDS and label warnings

even after they have been emptied.

Waste Disposal Code(s): No data available

#### 14. Transport information

**DOT Classification** Not regulated

UN number:
UN proper shipping name:
Transport hazard class(es):
Packing group, if applicable:
No data available
Not Applicable
Not Applicable

Environmental hazards: Transport in bulk according to Annex II of MARPOL73/78

and the IBC Code:

No data available No data available

## 15. Regulatory information

**TSCA Status:** This product is manufactured in compliance with all provisions of the Toxic

Substances Control Act, 15 U.S.C. 2601 et. seq.

**FDA** 21CFR172.892.

21CFR182.1.

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### **FEED BINDER GE**

SARA - Section 313 (Superfund Amendments and Reauthorization Act of 1986 - 40CFR 372)

CAS NUMBER

CONCENTRATION

CONCENTRATION (% by weight)

Contains no substances at or above the reporting threshold under Section 313.

#### **CALIFORNIA PROPOSITION 65**

WARNING: This product contains the following chemicals that are known to the State of California to cause cancer, birth defects or other reproductive harm.

Unless a concentration is specified in Section 2 of the MSDS, the below chemical/s are present in trace amounts.

Component CAS NUMBER

None reportable.

16.	Other information.	including	date of	preparation	or last	revision
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## **HMIS® Hazard Ratings**

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs by OSHA's 29 CFR 1910.1200, we choose to provide them as a service to our customers using HMIS®. These ratings are to be used only with a fully implemented HMIS® program. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

NPCA recommends that employers must determine appropriate PPE for the actual conditions under which this product is used in their workplace. For information on PPE codes, consult the HMIS® Implementation Manual.

When two ratings are provided for Health, the first represents the material 'as supplied', and the second represents the material 'in use'.

\* = chronic health hazard

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MSDS DATE 22-July-2015

FOR INFORMATION CONTACT: For product information, contact:

Ingredion Incorporated

Customer Service: 1-800-859-8569 Technical Service Support: 1-800-743-6343

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