

Section 1. Identification of the substance or mixture and of the supplier

Product identifier:

Product Number: 06460000
Product Name: BATTER BIND S
modified food starch

Other means of identification:

Chemical family: Modified Starch

Recommended use of the chemical and restrictions on use:

Recommended use: Food products
Restrictions on use: Not Available

Details of manufacturer or importer:

Ingredion China Limited
No. 450 Hua Tie Road,
Songjiang Industrial Estate,
Shanghai 201600
People's Republic of China
Tel: +86-21-3774-0066 (business hours)

Emergency phone number:

CHEMTREC - Emergency Telephone (Medical & Transport Incident With Product- 7Days/24 Hours)
The global (outside US) number: +1 703-741-5970
Australia: +(61)-290372994
China: 4001-204937
Hong Kong: 800-968-793*
India: 000-800-100-7141*
Indonesia: 001-803-017-9114*
Japan: +(81)-3-4520-9637
Malaysia: +(60)-392125794, 1-800-815-308*
New Zealand: +(64)-98010034
Philippines: +(63) 2-395-3308, 1-800-1-116-1020*
Singapore: +(65)-31581349, 800-101-2201*
South Korea: +(82) 070-7686-0086, 00-308-13-2549*
Taiwan: +886-2-7741-4207*, 00801-14-8954*
Thailand: 001-800-13-203-9987*
Vietnam: +(84)-444581938
* Phone numbers for countries marked with an asterisk must be dialed within the country
SDS Requests and general information, please contact Local Customer Service: See phone numbers in Section 16

Section 2. Hazard identification

Emergency Overview: Harmful to aquatic life

GHS Hazard Symbols:

No hazard symbols required

GHS Classification:

Hazardous to the aquatic environment - Acute Category 3

Signal Word:

No Signal Word needed.

Hazard Statements:

Harmful to aquatic life.

Precautionary Statements:

Prevention:

Avoid release to the environment.

Disposal:

Dispose of contents/container to.

Physical and chemical hazards:

Physical hazards:

Not Applicable

Chemical hazards:

Not Applicable

Health Hazards:

Information on possible routes of exposure:

Ingestion, Inhalation, Skin Contact, Eye Contact

Frequency and duration of exposure (e.g. single, repeated, lifelong):

No data available

Severity of the harmful effect (e.g. minor, moderate or severe):

No data available

Target Organs Potentially Affected By Exposure:

Not applicable.

Category of effect (e.g. irritation, skin allergic reaction, birth defect, tumor, hematological effect, etc.):

No data available

Symptoms related to the physical, chemical and toxicological characteristics:

No data available

Conditions known to be exacerbated following exposure:

No data available

Interactions with other chemicals capable of increasing toxicity (e.g. methyl ethyl ketone is able to enhance the neurotoxicity of n-hexane):

No data available

Environmental Hazards: Harmful to aquatic life.

Other hazards which do not result in classification: None known.

Section 3. Composition and information on ingredients

Substances:
Not Applicable

Mixtures:

Chemical Name	CAS No.	Concentration (% by weight)
This product is not classified as hazardous		

Section 4. First-aid measures

Description of necessary first aid measures:

Inhalation: Remove to fresh air. Get medical attention if irritation persists.
 Eye Contact: Remove particles by irrigating with eye wash solution or clean water, holding the eyelids apart.
 Skin Contact: Wash skin with soap and water.
 Ingestion: None required.

Most important symptoms and health effects: Possible physical irritant from dust particles. Potential for dust explosion.

Indication of immediate medical attention and special treatment needed, if necessary: No further first aid information is available.

Section 5. Firefighting measures

Extinguishing media:

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

Specific hazards arising from the chemical:

Minimum ignition temperature of dust cloud- approx. 390 C. Minimum explosive concentration- approx. 70 mg/l. Minimum energy to ignite cloud by electrical spark- approx. 0.06 joules.

Hazardous combustion products: This product does not undergo spontaneous decomposition. Typical combustion products are carbon monoxide, carbon dioxide, nitrogen and water.

Special protective equipment and precautions for firefighters:

No special procedures are required.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment as required.

Environmental protection:

Not available

Methods and materials for containment and cleaning up:

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.

Section 7. Handling and storage

Precautions for safe handling:

As with all chemicals, good industrial hygiene practices should be followed when handling this material.

Conditions for safe storage, including any incompatibilities:

Safe storage conditions:

Keep container closed when not in use.

Static Sensitivity:

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:

None known

Section 8. Exposure controls/Personal protection

Exposure control measures:

Chemical Name	China - Occupational Exposure Standards - TWAs (mg/m3)	China - Occupational Exposure Standards - STELs (mg/m3)	China - Occupational Exposure Standards - CEILs (mg/m3)
No data available			

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

Engineering controls:

General.

Individual protection measures, for example personal protective equipment (PPE):

Respiratory protection:

NIOSH approved dust mask.

Eye and face protection:

Chemical safety glasses.

Skin protection:	Skin protection may be required depending on product temperature.
Gloves:	Gloves are not normally required for foreseeable conditions of use.
Other protective equipment:	Not normally required. Not applicable.
General hygiene conditions:	Wash before eating, drinking, or using toilet facilities.

Section 9. Physical and chemical properties

Appearance (physical state, color etc.):

Pure Substance or Mixture:	Pure
Physical State:	Powder.
Color:	White

Odor: Starch

Odor Threshold: Not available

pH: Not available

pH in (1%) Solution: Approximately 6

Melting point/freezing point:

Melting Point:	Not available
Freezing point:	Not available

Initial boiling point and boiling range: Not available

Flash Point: Not applicable

Evaporation Rate: Not applicable

Flammability (solid, gas): No

Upper/lower flammability or explosive limits:

Upper flammability or explosive limits:	Not available
Lower flammability or explosive limits:	Not available

Vapor pressure: Not available

Vapor density: Not available

Relative density: 1.5

Solubility: Insoluble

Partition coefficient: n-octanol/water: Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Viscosity: Not applicable

Volatiles: None

Volatile Organic Chemicals: Not applicable

Other information:

Molecular weight: > 10000

Section 10. Stability and reactivity

Reactivity:	Not expected to be reactive
Chemical stability:	Stable
Possibility of hazardous reactions:	Hazardous polymerization will not occur.
Conditions to avoid:	None known
Incompatible materials:	None known
Hazardous decomposition products:	This product does not undergo spontaneous decomposition. Typical combustion products are carbon monoxide, carbon dioxide, nitrogen and water.

Section 11. Toxicological information

Description of the various toxicological (health) effects and the available data used to identify those effects:

Information on possible routes of exposure:	Ingestion, Inhalation, Skin Contact, Eye Contact
Target Organs Potentially Affected By Exposure:	Not applicable.
Symptoms related to the physical, chemical and toxicological characteristics:	No data available
Toxic Effects:	This product is considered as being non-toxic. Use of good industrial hygiene practices is recommended.

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

Acute toxicity:

Ingestion Toxicity:	Based on available data, the GHS classification criteria are not met.
Acute toxicity - Dermal:	Based on available data, the GHS classification criteria are not met.
Inhalation Toxicity:	Based on available data, the GHS classification criteria are not met.

Skin corrosion/irritation:	Low order of toxicity. Unlikely to cause harmful effects under recommended conditions of handling and use.
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Serious eye damage/irritation:	Based on available data, the GHS classification criteria are not met.
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Respiratory sensitisation:	Based on available data, the GHS classification criteria are not met.
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Skin sensitisation:	Based on available data, the GHS classification criteria are not met.
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Germ cell mutagenicity:	Based on available data, the GHS classification criteria are not met.
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Reproductive Toxicity:	Based on available data, the GHS classification criteria are not met.
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Carcinogenicity:	No.
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Specific Target Organ Toxicity (STOT)-single exposure:	Based on available data, the GHS classification criteria are not met.
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Specific Target Organ Toxicity (STOT) -repeated exposure: Based on available data, the GHS classification criteria are not met.

Aspiration hazard: Based on available data, the GHS classification criteria are not met.

Numerical measures of toxicity (such as acute toxicity estimates):

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
There is no known toxicity data available for the components or the product.			

Interactive effects: No data available

Section 12. Ecological information

Ecotoxicity: No information available.

Ecological Toxicity Data:

Chemical Name	CAS No.	Aquatic LC50 Fish	Aquatic ERC50 Algae	Aquatic EC50 Crustacea
No data available				

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: Unknown

Other adverse effects: None known.

Section 13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging: Disposal should be in accordance with local, state or national legislation.

Empty container warnings: Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied.

Section 14. Transport information

CDG Classification: Not regulated

UN number: Not Applicable

UN Proper shipping name: Not Applicable

Transport hazard class: Not Applicable
Packing group: Not Applicable
Toxic Inhalation Hazard Zone: No data available

Environmental hazards for transport purposes: No data available

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): No data available

Special precautions which a user needs to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises: Consult IMO regulations before transporting in bulk by ocean.

Transport Notes:

Requirements for means of transport: No data available
Requirements for fire and emergency equipment: No data available
Requirements for protection against fire, explosion and static discharge: No data available
Incompatibility requirements: No data available
Route Requirements: No data available
Other transportation requirements: No data available

Section 15. Regulatory information

Safety, health and environmental regulations:

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.

China Chemical inventory of existing chemical substances (IECSC)

Chemical Name	CAS No.	China Chemical inventory of existing chemical substances (IECSC)
No data available		

China Catalog of Hazardous Chemicals

Chemical Name	CAS No.	China Catalog of Hazardous Chemicals
No data available		

Montreal Protocol on Substances that Deplete the Ozone Layer

Chemical Name	CAS No.	Montreal Protocol on Substances that Deplete the Ozone Layer
No data available		

Stockholm Convention on Persistent Organic Pollutants

Chemical Name	CAS No.	Stockholm Convention on Persistent Organic Pollutants
No data available		

Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade

Chemical Name	CAS No.	Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade
No data available		

Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal

Chemical Name	CAS No.	Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal
No data available		

Section 16. Any other relevant information

Revision Date: 09-05-2023

Supersedes:

Revision Number: 1

Reason for revision: New

For Information Contact: China/Taiwan/Hong Kong:
Ingredion China Limited
Customer Service: +86-21-3774-0066

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