

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

Product identifier:

Product Number: 70000130
Product Name: Ticaloid BD-1811

Other means of identification:

Chemical family: Carbohydrate

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
India: 000-800-100-7141*
Indonesia: 001-803-017-9114*
Japan: +(81)-3-4520-9637
Malaysia: +(60)-392125794
New Zealand: +(64)-98010034
Philippines: +(63) 2-395-3308, 1-800-1-322-0553*
Singapore: +(65)-31638374, 800-101-2201*
South Korea: +(82) 070-7686-0086, 080-880-0454*
Taiwan: +886-2-7741-4207*, 00801-49-1821*
Thailand: 1800014808*
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: None known

GHS Hazard Symbols:	No hazard symbols required
GHS Classification:	Not Classified by GHS criteria
Signal Word:	No Signal Word needed.
Hazard Statements:	No Hazard Statement needed.
Precautionary Statements:	No Precautionary Statement needed.
Physical and chemical hazards:	
Physical hazards:	Not Applicable
Chemical hazards:	Not Applicable
Health Hazards:	
Information on possible routes of exposure:	None known.
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:	None known.
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:	Not Applicable
Other hazards which do not result in classification:	None known.
% unknown toxicity (Dermal):	100 % of the mixture consists of ingredients of unknown toxicity

% unknown toxicity (Inhalation Gas): 100 % of the mixture consists of ingredients of unknown toxicity
% unknown toxicity (Inhalation Vapor): 100 % of the mixture consists of ingredients of unknown toxicity
% unknown toxicity (Inhalation Dust): 100 % of the mixture consists of ingredients of unknown toxicity

Section 3. Composition and information on ingredients

Substances:

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

Mixtures:

Not Applicable

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. If symptoms develop, obtain medical attention.
 Skin Contact: Wash skin with soap and water.
 Ingestion: If swallowed, DO NOT induce vomiting. Keep at rest.

Most important symptoms and health effects: Possible physical irritant from dust particles. Potential for dust explosion. Not considered as hazardous.

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: CO2, Dry Chemical, Foam, Water Fog, Sand
 Unsuitable extinguishing media: Water Spray

Specific hazards arising from the chemical: 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.

Hazardous combustion products: Thermal decomposition could produce carbon monoxide, carbon dioxide, and unidentified organic compounds.

Special protective equipment and Do not enter fire area without proper protection including self- contained

precautions for firefighters: breathing apparatus and full protective equipment.

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. Prohibit smoking and open flames. Avoid sparks or other sources of static electricity. Avoid dispersal in air. Remove all sources of ignition.

Section 7. Handling and storage

Precautions for safe handling: Take precautionary measures against static discharge. Store in a clean, dry, well ventilated warehouse away from odorous materials.

Conditions for safe storage, including any incompatibilities:

Safe storage conditions: Store in a clean, dry, well ventilated warehouse away from odorous materials.

Static Sensitivity: Yes
Store away from heat and moisture.

Other precautions: Avoid dispersing the powder in the air. Prevent buildup of powder on surfaces.
Mechanical handling of the powder on inadequately grounded equipment can result in static electrical discharges.

Materials to Avoid/Chemical Incompatibility: Strong acids, Strong bases

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: Routine. Material should be handled in a manner which will minimize dusting.

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

Respiratory protection:	NIOSH approved dust mask. Dust masks should conform to EN 149.
Eye and face protection:	Wear safety glasses. Personal eye protection should conform to EN 166.
Skin protection:	Skin protection may be required depending on product temperature.
Gloves:	Gloves are recommended due to possible irritation., Gloves should conform to EN 374.
Other protective equipment:	Uniforms, coveralls, or a lab coat should be worn.
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:	Mixture
Physical State:	Powder.
Color:	Off White-White
Odor:	Odorless
Odor Threshold:	Not available
pH:	Not available
pH in (1%) Solution:	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
Solubility:	Soluble in water
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
Volatiles:	None
Volatile Organic Chemicals:	Not available

Other information:

Molecular weight: Not available

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: Direct sunlight., Extremely high or low temperatures., Avoid moisture contamination., Avoid creating dust.

Incompatible materials: Strong acids, Strong bases

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: None known.

Target Organs Potentially Affected By Exposure: None known.

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: Wash skin with soap and water.

Serious eye damage/irritation: If symptoms develop, obtain medical attention. Remove particles by irrigating with eye wash solution or clean water, holding the eyelids apart.

Respiratory sensitisation: Based on available data, the GHS classification criteria are not met.

Skin sensitisation: Based on available data, the GHS classification criteria are not met.

Germ cell mutagenicity: Based on available data, the GHS classification criteria are not met.

Reproductive Toxicity: Based on available data, the GHS classification criteria are not met.
Carcinogenicity: No.
Specific Target Organ Toxicity (STOT)-single exposure: Based on available data, the GHS classification criteria are not met.
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: Not established
Bioaccumulative potential: Not established
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.

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: 02-06-2023

Supersedes:

Revision Number: 3

Reason for revision: New

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



Safety Data Sheet

Ticaloid BD-1811

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