

SECTION 1. Identification of the hazardous chemical or mixture and of the supplier or manufacturer**Name of the dangerous chemical or mixture:**

Product number: 06450403
Product name: PENBIND® 100
modified food starch

Other means of identification:

Chemical family: Modified starch

Recommended use of the hazardous chemical or mixture, and restrictions of use:

Recommended use: Food products
Restrictions on use: Not Available

Details of the supplier or manufacturer:

Ingredion Mexico, S.A. of C.V.
Corporate Andares Tower Paseo
Blvd. Puerta de Hierro #5153, Floor 22
Col. Fracc. Plaza Andares, C.P. 45116, Zapopan, Jalisco
Telephone: +52 (33) 3884-9000 (business hours)
Phone number in case of emergency: Emergency Phone: 800-681-9531 (CHEMTREC) +1-703-741-5970
(Global CHEMTREC)

SECTION 2. Identification of the hazards**Classification of the hazardous chemical or mixture, according to the GHS:**

GHS Classification: Not classified as hazardous in accordance with NOM-018-STPS-2015

Elements of signaling, including precautionary advice and precautionary pictograms:**Symbols:**

No hazard symbols required

Word of warning:

No signal word needed.

Indication of danger:

No Hazard Statement needed.

Precautionary Statements:

No Precautionary Statement needed.

Other hazards that do not contribute to the classification:

None known.

SECTION 3. Composition / information on the components**For substances:**

Not applicable

For mixtures:

Chemical identity of the substance	CAS number	Concentration or concentration ranges
None classified as hazardous under the GHS regulations		

SECTION 4. First aid

Description of first aid:

Inhalation:	This material does not present a hazard if inhaled. Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure.
Eye contact:	Flush eyes with plenty of water for at least 30 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.
Skin contact:	Wash with soap and water for no less than 15 minutes.
Ingestion:	No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this SDS.

Symptoms and most important effects, acute and chronic:

Not considered as hazardous.

Indication of the need to receive immediate medical attention and, where appropriate, special treatment:

No further first aid information is available.

SECTION 5. Fire-fighting measures

Appropriate extinguishing media:

Suitable extinguishing media:	Use methods suitable to fight surrounding fire.
Unsuitable extinguishing media:	None known.

Specific hazards of hazardous chemical substances or mixtures:

No data available

Hazardous combustion products:	Carbon monoxide, carbon dioxide.
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Special measures to be followed by fire fighting groups:

Do not enter fire area without proper protection including self- contained breathing apparatus and full protective equipment.

SECTION 6. Measures to be taken in case of accidental spillage or accidental leakage

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment as required.

Precautions relating to the environment:

Not available

Methods and materials for the containment and cleaning of spills or leaks:

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so.

SECTION 7. Handling and storage

Precautions that must be taken to ensure safe handling:

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

Conditions of safe storage, including any incompatibility:

Conditions for safe storage: Keep container closed when not in use.

Other precautions: None known

Materials to Avoid/Chemical Incompatibility: None known

SECTION 8. Exposure controls / personal protection

Control parameters:

Chemical identity of the substance	Mexico - Occupational Exposure Limits - TWAs (LMPE-PPTs)	Mexico - Occupational Exposure Limits - STELs (LMPE-CTs)	Mexico - Occupational Exposure Limits - Ceilings (LMPE-Pico)	Mexico - Occupational Exposure Limits - BEIs (IBE)
No data available				

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

Appropriate technical controls:

None required under normal handling conditions.

Individual protection measures, such as personal protective equipment, PPE:

Eye and face protection:

Employee must wear splash-proof or dust-resistant safety goggles and a faceshield to prevent contact with this substance.

Skin protection:

Skin protection may be required depending on product temperature.

Gloves:

Gloves are not normally required for foreseeable conditions of use.

Respiratory Protection:

No respiratory protection is recommended while working with this material. However, if operating conditions create high vapor or mist concentration, use of an approved respirator is recommended.

Thermal hazards:

Not available

SECTION 9. Physical and chemical properties**Appearance (physical state, color, etc.):**

Pure Substance or Mixture:	Pure
Physical state:	Powder
Color:	White to off-white

Odor:	Starch
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Odor threshold:	Not available
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Hydrogen potential, pH:	Not available
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pH in (1%) Solution:	Approximately 7
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Melting point / freezing point:

Melting point:	Not available
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Freezing point:	Not available
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Initial point and boiling range:	Not available
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Flash point:	Not applicable
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Evaporation rate:	Not applicable
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Flammability (solid / gas):	No
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Upper/lower flammability or explosive limits:

Upper limit of flammability or explosiveness:	Not available
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Lower limit of flammability or explosiveness:	Not available
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Vapor pressure:	Not available
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Vapor density:	Not available
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Relative density:	No data available
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Solubility(s):	Insoluble
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N-octanol / water partition coefficient:	Not available
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Spontaneous ignition temperature:	Not available
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Decomposition temperature:	Not available
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Viscosity:	Not available
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Volatiles:	None
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Volatile Organic Chemicals (VOC):	Not available
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Other relevant information:	
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Molecular weight:	Not available
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SECTION 10. Stability and reactivity

Reactivity:	Not expected to be reactive.
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Chemical stability:	Stable
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Possibility of dangerous reactions:	Hazardous polymerization will not occur.
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Conditions to be avoided: None known
Incompatible materials: None known
Hazardous decomposition products: No data available

SECTION 11. Toxicological information

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

Information about the probable income routes: None known.
Target Organs Potentially Affected by Exposure: None known.
Symptoms related to physical, chemical and toxicological characteristics: No data available
Toxic effects: Not established.

Immediate and delayed effects, as well as chronic effects produced by a short or 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:

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

Eye Damage / Irritation:

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

Respiratory Sensitization:

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

Skin Sensitization:

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

Mutagenicity:

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

Reproductive and Developmental Toxicity:

No.

Carcinogenicity:

There are no known adverse effects.

STOT- single exposure:

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

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 estimates of acute toxicity):

Chemical identity of the substance	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. Ecotoxicological information

Toxicity: No information available.

Ecological Toxicity Data:

Chemical identity of the substance	CAS number	Aquatic LC50 Fish	Aquatic ERC50 Algae	Aquatic EC50 Crustacea
No data available				

Persistence and degradability: No data available

Bioaccumulation potential: No data available

Mobility in soil: Unknown

Other adverse effects: None known.

SECTION 13. Information regarding the disposal of the products

Description of the waste and information on how to handle it safely and its disposal methods , including the disposal of contaminated containers: 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

DOT Classification: Not regulated

UN number: Not applicable

Official transportation designation of the United Nations: Not applicable

Class (s) of transportation hazards: Not applicable

Packing group, if applicable: Not applicable

Toxic Inhalation Hazard Zone: No data available

Environmental risks: No data available

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

Special precautions for the user: Consulte las normas IMO antes de transporte a granel por mar.

SECTION 15. Regulatory information

Specific provisions on safety, health and the environment for hazardous chemical substances or mixture in question:

Mexico - Pollutant Release and Transfer Register

Chemical identity of the substance	CAS number	Reporting Emissions - Threshold Quantities	Reporting Emissions for Manufacturing, Process or Use -Threshold Quantities
No data available			

Mexico - National Inventory of Chemical Substances (INSQ).

Chemical identity of the substance	CAS number	Mexico - National Inventory of Chemical Substances (INSQ).
No data available		

Montreal Protocol on Substances that Deplete the Ozone Layer

Chemical identity of the substance	CAS number	Montreal Protocol on Substances that Deplete the Ozone Layer
No data available		

Stockholm Convention on Persistent Organic Pollutants

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

SECTION 16. Other information including those related to the preparation and updating of the safety data sheets
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Date of SDS preparation or last revision (mm-dd-yyyy):	03-27-2024
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For product information, contact	Ingredion Mexico, S.A. of C.V. Customer Service: +52 (33) 3884-9000
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