

## SECTION 1. Identification of the hazardous chemical or mixture and of the supplier or manufacturer

**Name of the dangerous chemical or mixture:**

Product number: 32566101  
Product name: National 77-1760

**Other means of identification:**

Chemical family: Modified starch

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

Recommended use: Food use  
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)  
Emergency Phone: 800-681-9531 (CHEMTREC) +1-703-741-5970  
(Global CHEMTREC)

**Phone number in case of emergency:**

## 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:	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:	None required.

**Symptoms and most important effects, acute and chronic:** Possible physical irritant from dust particles. Potential for dust explosion.

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

**Specific hazards of hazardous chemical substances or mixtures:** 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 measures to be followed by fire fighting groups:** No special procedures are required.

## 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** Normal precautions for "nuisance dust" should be observed. Avoid

**containment and cleaning of spills or leaks:** prolonged inhalation of dust. Sweep up or vacuum up and place in suitable container for disposal.

## 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.

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: 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:** General.

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

**Eye and face protection:** Safety glasses recommended.

**Skin protection:** Skin protection may be required depending on product temperature.

**Gloves:** Gloves are not normally required for foreseeable conditions of use.

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

**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
<b>Odor:</b>	Starch
<b>Odor threshold:</b>	Not available
<b>Hydrogen potential, pH:</b>	Not available
<b>pH in (1%) Solution:</b>	Approximately 6
<b>Melting point / freezing point:</b>	
Melting point:	Not available
Freezing point:	Not available
<b>Initial point and boiling range:</b>	Not available
<b>Flash point:</b>	Not applicable
<b>Evaporation rate:</b>	Not applicable
<b>Flammability (solid / gas):</b>	No
<b>Upper/lower flammability or explosive limits:</b>	
Upper limit of flammability or explosiveness:	Not available
Lower limit of flammability or explosiveness:	Not available
<b>Vapor pressure:</b>	Not available
<b>Vapor density:</b>	Not available
<b>Relative density:</b>	1.5
<b>Solubility(s):</b>	Soluble in water
<b>N-octanol / water partition coefficient:</b>	Not available
<b>Spontaneous ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	Not applicable
<b>Volatiles:</b>	None
<b>Volatile Organic Chemicals (VOC):</b>	Not applicable
<b>Other relevant information:</b>	
<b>Molecular weight:</b>	> 10000

## SECTION 10. Stability and reactivity

<b>Reactivity:</b>	Not expected to be reactive.
<b>Chemical stability:</b>	Stable
<b>Possibility of dangerous reactions:</b>	Hazardous polymerization will not occur.
<b>Conditions to be avoided:</b>	None known
<b>Incompatible materials:</b>	None known
<b>Hazardous decomposition products:</b>	This product does not undergo spontaneous decomposition. Typical

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

<b>SECTION 11. Toxicological information</b>
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**Description of the various toxicological (health) effects and the available data used to identify those effects:**

**Information about the probable intake routes:** Ingestion, Inhalation, Skin Contact, Eye Contact

**Target Organs Potentially Affected by Exposure:** Not applicable.

**Symptoms related to 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.

**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:** Consult IMO regulations before transporting in bulk by ocean.

<b>SECTION 15. Regulatory information</b>
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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**

**Date of SDS preparation or last revision (mm-dd-yyyy):** 08-06-2024

**For product information, contact** Ingredion Mexico, S.A. of C.V.  
Customer Service: +52 (33) 3884-9000

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