

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

Product number:

Product name: NOVATION INDULGE 1720 - 31460402

Other means of identification:

Chemical family: Starch

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

Recommended use: food starch

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:**

Chemical identity of the substance	CAS number	Concentration or concentration ranges
------------------------------------	------------	---------------------------------------

regulations		
None classified as hazardous under the GHS regulations		

For mixtures:

Not applicable

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:	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. Contributes to effluent BOD. 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:	CO2, Dry Chemical, Foam, Water Fog
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. 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 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:

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

Sensitivity to Static Electricity: Yes

No special sensitivity.

Other precautions:

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:

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.

Respiratory Protection:

NIOSH approved dust mask. Dust masks should conform to EN 149.

Thermal hazards:

Not available

SECTION 9. Physical and chemical properties

Appearance (physical state, color, etc.):

Physical state: Powder

Color: Yellow

Odor: Dextrin

Odor threshold: Not available

Hydrogen potential, pH: Not available

pH in (1%) Solution: Not available

Melting point / freezing point:

Melting point: Not available

Freezing point: Not available

Initial 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 limit of flammability or explosiveness: Not available

Lower limit of flammability or explosiveness: Not available

Vapor pressure: Not available

Vapor density: Not available

Relative density: No data available

Solubility(s): Soluble in water

N-octanol / water partition coefficient: Not available

Spontaneous ignition temperature: Not available

Decomposition temperature: Not available

Viscosity: Not available

Volatiles: None

Volatile Organic Chemicals (VOC): Not available

Other relevant information:

Molecular weight: Not available

SECTION 10. Stability and reactivity

Reactivity: Not expected to be reactive.

Chemical stability: Stable

Possibility of dangerous reactions: Hazardous polymerization will not occur.

Conditions to be avoided: 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 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: 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: Wash skin with soap and water.

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

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: Low, but has a BOD contribution.

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: Readily biodegradable.

Bioaccumulation potential: Low (degrades too rapidly)

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

Date of SDS preparation or last revision (mm-dd-yyyy): 03-27-2024

For product information, contact Julie Scott Regulatory Affairs Manager, Starch Europe National Starch & Chemical Prestbury Court Greencourts Business Park 333 Styal Road Manchester M22 5LW England Telephone: +44 (0)161 435 3200

Ingredion Incorporated and the Ingredion group of companies does not make any warranty or representation respecting the accuracy or completeness of the data. We assume no responsibility for any liability or damages relating thereto, or for advising you regarding the protection of your employees, customers, or others. You should make your own determination regarding the applicability of such information to, or the suitability of any products for your specific use. Ingredion Incorporated and the Ingredion group of companies expressly disclaims all warranties, expressed or implied, including but not limited to, warranties of merchantability, accuracy, fitness for use or for a particular purpose, and noninfringement. The United Nations Convention on Contracts for the International Sale of Goods shall not apply to sales of products by Ingredion Incorporated and the Ingredion group of companies. The INGREDION mark and logo are trademarks of the Ingredion group of companies.