

## Section 1 - Chemical identification and supplier information

**Product identifier:**

Product Number:

Product Name: NOVATION INDULGE 1720 - 31460402

**Other means of identification:**

Chemical family: Starch

**Recommended use of the chemical and restrictions on use:**

Recommended use: food starch

Restrictions on use: Not Available

**Details of manufacturer or importer:**

Ingredion Vietnam Company Limited  
Room 817, 8th Floor Parkson Paragon,  
No.03 Nguyen Luong Bang Street,  
Tan Phu ward, District 7, Ho Chi Minh City 700000,  
Vietnam  
Tel: +84-28-54133368 (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

**Classification of the hazardous chemical:**

Label elements:

**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.

**Other hazardous information:**

None known.

**Section 3 - Information about ingredients****Substance:**

Chemical Name	Common name and synonyms	CAS No.	Concentration (% by weight)
No hazardous component.			

**Mixture:**

Not applicable

**Section 4 - Medical first aid measures****Description of measures corresponding to exposure routes:**

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.

**Serious immediate symptoms/effects and later effects:**

Possible physical irritant from dust particles. Potential for dust explosion. Contributes to effluent BOD. Not considered as hazardous.

**Special first aid instructions and instructions needed:**

No further first aid information is available.

## Section 5 - Measures to handle in case of fire

**Suitable extinguishing equipment:**

Suitable extinguishing media: CO2, Dry Chemical, Foam, Water Fog

Unsuitable extinguishing media: None known.

**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 precautions for fire-fighters:**

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

## Section 6 - Measures to prevent and respond to incidents

**Protective equipment and incident response procedures:**

Use personal protective equipment as required.

**Environmental warnings:**

No data available

**Measures and materials for cleaning after the incident occurs:**

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 - Requirements for use 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: Store in a clean, dry, well ventilated warehouse away from odorous materials.

Static Sensitivity: 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 protective equipment requirements

**Control parameters (e.g. occupational exposure limits, biological indices):**

Chemical Name	Vietnam - Occupational Exposure Standards - TWAs	Vietnam - Occupational Exposure Standards - STELs
No data available		

This product can produce a nuisance dust which should be maintained below a time weighted average of 10 mg/m<sup>3</sup>.

**Appropriate equipment control measures:** General.

**Personal protective equipment and measures:**

**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 of chemicals**

**Appearance (physical state, colour etc.):**

Physical State: Powder

Colour: Yellow

**Odour:** Dextrin

**Odour Threshold:** Not available

**pH:** Not available

**pH in (1%) Solution:** Not available

**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

**Vapour pressure:** Not available

<b>Vapour density:</b>	Not available
<b>Relative density:</b>	No data available
<b>Solubility:</b>	Soluble in water
<b>Partition coefficient: n-octanol/water:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	Not available

## Section 10 - Chemical stability and reactivity

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

## Section 11 - Information on toxicity

An accurate and complete description of the various ecological hazards and the available databases used to identify such harms, including:

<b>Information on different routes of exposure:</b>	None known.
<b>Target Organs Potentially Affected By Exposure:</b>	None known.
<b>Symptoms related to chemical toxicity and ecotoxicity:</b>	No data available
<b>Immediate harm, long-term harm and chronic effects from short-term and long-term exposure:</b>	This product is considered as being non-toxic. Use of good industrial hygiene practices is recommended.
<b>Exposure levels and health effects:</b>	
<b>Acute toxicity:</b>	
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.
<b>Skin corrosion/irritation:</b>	Wash skin with soap and water.
<b>Serious eye damage/irritation:</b>	Based on available data, the GHS classification criteria are not met.

**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.  
**Carcinogenicity:** No.  
**Reproductive Toxicity:** Based on available data, the GHS classification criteria are not met.  
**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.			

**Section 12 - Ecological information**

**Toxic to the environment:** Low, but has a BOD contribution.

**Ecological Toxicity Data:**

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

**Sustainability, persistence and degradability:** Readily biodegradable.

**Bioaccumulative potential:** Low (degrades too rapidly)

**Mobility in soil:** Unknown

**Other adverse effects:** None known.

**Section 13 - Disposal Information**

**Description of waste types and information on safe handling and disposal methods, taking into account contaminated packaging:** Disposal should be in accordance with local, state or national legislation.

**Section 14 - Information on shipping**

**UN number:** Not applicable  
**UN Proper shipping name:** Not applicable  
**Transport hazard class:** Not applicable  
**UN Packing group:** Not applicable  
**Toxic Inhalation Hazard Zone:** No data available  
  
**Environmental hazards (e.g., Marine pollutant):** No data available  
**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** No data available  
**Special precautions for user:** Consult IMO regulations before transporting in bulk by ocean.

**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.

**Vietnam - Law on Chemicals**

Chemical Name	CAS No.	Vietnam - Law on Chemicals - Annex 1	Vietnam - Law on Chemicals - Annex 2	Vietnam - Law on Chemicals - Annex 3	Vietnam - Law on Chemicals - Annex 4	Vietnam - Law on Chemicals - Annex 5
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: Other information**

**Revision Date:** 08-06-2024  
**Supersedes:** 02-24-2023  
**Revision Number:** 4  
**Reason for revision:** New  
  
**For Information Contact:** Vietnam:  
 Ingredion Vietnam Company Limited  
 Tel: +84-28-54133368

**Disclaimer:**

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.