

#### **NOVATION INDULGE 1720 - 31460402**

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

GHS product identifier:

Stock Number:

Product Name: NOVATION INDULGE 1720 - 31460402

Other means of identification:

Chemical family: Starch

Recommendations and restrictions on use of the substance or mixture:

Recommended use: Food starches (food starch)

Restrictions on use: Not Available

Supplier's details (i.e. name, address,

phone number(s)):

Ingredion (Thailand) Co., Ltd

40/14 Moo 12, Bangna-Trad Road, Bangplee, Samutprakarn 10540

Thailand

Tel: +662-725-0200 (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 Hong Kong: 800-968-793\* India: 000-800-100-7141\* Indonesia: 001-803-017-9114\* Japan: +(81)-3-4520-9637

Malaysia: +(60)-392125794, 1-800-815-308\*

New Zealand: +(64)-98010034

Philippines: +(63) 2-395-3308, 1-800-1-116-1020\* Singapore: +(65)-31581349, 800-101-2201\*

South Korea: +(82) 070-7686-0086, 00-308-13-2549\*

Taiwan: +886-2-7741-4207\*, 00801-14-8954\*

Thailand: 001-800-13-203-9987\* 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

### 2. Hazards identification

Classification of the chemical in accordance with system of Hazardous Substances B.E. 2555:



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GHS Hazard Symbols:

No hazard symbols required

GHS Classification of the substance or mixture, and national or regional

information:

Not Classified by GHS criteria

Signal Word:

No Signal Word needed.

**Hazard Statements:** 

No Hazard Statement needed.

**Precautionary Statements:** 

No Precautionary Statement needed.

Other hazards which do not result in

GHS classification:

None known.

## 3. Composition/information on ingredients

#### Substance:

Chemical Name	CAS Number	Concentration (% by weight)
None classified as hazardous under the GHS		
regulations		

### Mixture:

Not Applicable

#### 4. First-aid measures

Description of necessary first-aid measures divided by relevant routes of exposure i.e. inhalation, skin, eye, and ingestion:

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.

Most important symptoms/effects,

acute and delayed:

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

only. Others, see 15NSCHAZ\*))

**Indication of immediate medical**No further first aid information is available.

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attention and special treatment needed, if necessary:

## 5. Fire-fighting measures

#### Suitable (and unsuitable) extinguishing media:

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

Unsuitable extinguishing media: None known.

Specific hazards arising from the chemical e.g. hazardous combustion products that form when the substance or mixture burns:

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.

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment as directed.

Environmental precautions:

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.

### 7. Handling and storage

Precaution for safe handling and storage:

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.

Not available

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



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#### 8. Exposure controls/personal protection

Control parameters e.g. occupational exposure limit values, biological limit values:

	Thailand - Occupational	Thailand - Occupational	Thailand - Occupational
Chemical Name	Exposure Limits -	Exposure Limits -	Exposure Limits -
	TWA's	STEL's	CEIL's
No data available			

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

Appropriate engineering controls: General.

Individual protection measures e.g. personal protective equipment:

**Respiratory Protection:** NIOSH approved dust mask. Dust masks should conform to EN 149.

**Eye 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.

#### 9. Physical and chemical properties

Appearance (physical state, color etc.):

Physical State: Powder.
Color: Yellow
Odor: Dextrin

Odor Threshold:

pH:

Not available

pH in (1%) Solution:

Not available

Not available

Melting point/freezing point:

Melting Point:

Freezing point:

Initial boiling point and boiling range:

Not available

Not available

Not available

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



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Vapor pressure:Not availableVapor density:Not availableRelative density:No data available

Solubility: Soluble

Partition coefficient: n-octanol/water: Not available
Heat of decomposition: Not available
Auto-ignition temperature: Not available
Decomposition temperature: Not available
Viscosity: Not available

Volatiles: None

Volatile Organic Chemicals: Not available

#### 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:

Incompatible materials:

None known

None known

Hazardous decomposition products: This product does not undergo spontaneous decomposition. Typical

combustion products are carbon monoxide, carbon dioxide, nitrogen and

water.

#### 11. Toxicological information

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

Information of the likely routes of

exposure:

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.

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.

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**Skin corrosion/irritation:** Wash skin with soap and water.

Serious eye damage/irritation:

Respiratory sensitisation:

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

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Carcinogenicity: No

**Specific Target Organ Toxicity** 

(STOT)-single exposure:

Specific Target Organ Toxicity (STOT) Based on available data, the GHS classification criteria are not met.

-repeated exposure:

**Aspiration hazard:** 

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

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### Numerical measures of toxicity (such as acute toxicity estimates):

	LD50 Oral	LD50 Dermal	LC50 Inhalation
There is no known toxicity data available for the components or the product.			

## 12. Ecological information

**Toxicity (aquatic and terrestrial):** Low, but has a BOD contribution.

**Ecological Toxicity Data:** 

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

Persistence and degradability: Readily biodegradable.

Bioaccumulative potential: Low (degrades too rapidly)

Mobility in soil: Unknown

Other adverse effects: None known.

#### 13. Disposal considerations

Description on waste residue and safety transfer method, including appropriate disposal methods of waste residues and contaminated packaging:

Disposal should be in accordance with local, state or national legislation.



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### 14. Transport information

**UN Transport classification:** Not regulated **UN Number:** Not Applicable Proper shipping name or technical Not Applicable

name:

**Transport hazard class:** Not Applicable Packing group: Not Applicable **Toxic Inhalation Hazard Zone:** No data available

Environmental hazards (e.g., Marine

pollutant (Yes/No)):

No data available

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC

Code):

No data available

Special precautions for users, which a user needs to be aware of or needs to comply with in connection with transport either inside or outside the business site:

Consult IMO regulations before transporting in bulk by ocean.

## 15. Regulatory information

## Safety, health and environmental regulations:

**TSCA Status:** This product is manufactured in accordance with all requirements of the

Toxic Substances Control Act, 15 U.S.C. 2601 et. seq.

## **Thailand - Waste Management - Toxic Hazardous Chemicals**

Chemical Name	CAS Number	Thailand - Waste Management - Toxic Hazardous Chemicals
No data available		

#### **Thailand - Hazardous Chemicals**

Chemical Name	CAS Number	Thailand - Hazardous Chemicals
No data available		

#### Thailand - FDA Existing Chemicals Inventory (TECI)

Chemical Name	CAS Number	Thailand - FDA Existing Chemicals Inventory (TECI)
No data available		



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## Montreal Protocol on Substances that Deplete the Ozone Layer,

Chemical Name	CAS Number	Montreal Protocol on Substances that Deplete the Ozone Layer,
No data available		

### **Stockholm Convention on Persistent Organic Pollutants**

Chemical Name	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 Name	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 Name	CAS Number	Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal.
No data available		

## 16. Other information, including date of preparation or last revision.

**Revision Date:** 02-06-2023 **Supercedes:** 11-20-2022

Revision Number: 3
Reason for revision: New

For Information Contact Thailand:

Ingredion (Thailand) Co., Ltd

Customer Service: +66-2-725-0200

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