

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

### 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 China Limited  
No. 450 Hua Tie Road,  
Songjiang Industrial Estate,  
Sanghai 201600  
People's Republic of China  
Tel: +86-21-3774-0066 (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

## Section 2. Hazard identification

### Emergency Overview:

None known

<b>GHS Hazard Symbols:</b>	No hazard symbols required
<b>GHS Classification:</b>	Not Classified by GHS criteria
<b>Signal Word:</b>	No Signal Word needed.
<b>Hazard Statements:</b>	No Hazard Statement needed.
<b>Precautionary Statements:</b>	No Precautionary Statement needed.
<b>Physical and chemical hazards:</b>	
<b>Physical hazards:</b>	Not Applicable
<b>Chemical hazards:</b>	Not Applicable
<b>Health Hazards:</b>	
<b>Information on possible routes of exposure:</b>	None known.
<b>Frequency and duration of exposure (e.g. single, repeated, lifelong):</b>	No data available
<b>Severity of the harmful effect (e.g. minor, moderate or severe):</b>	No data available
<b>Target Organs Potentially Affected By Exposure:</b>	None known.
<b>Category of effect (e.g. irritation, skin allergic reaction, birth defect, tumor, hematological effect, etc.):</b>	No data available
<b>Symptoms related to the physical, chemical and toxicological characteristics:</b>	No data available
<b>Conditions known to be exacerbated following exposure:</b>	No data available
<b>Interactions with other chemicals capable of increasing toxicity (e.g. methyl ethyl ketone is able to enhance the neurotoxicity of n-hexane):</b>	No data available
<b>Environmental Hazards:</b>	Not Applicable
<b>Other hazards which do not result in classification:</b>	None known.

## Section 3. Composition and information on ingredients

### Substances:

Chemical Name	CAS No.	Concentration (% by weight)
This product is not classified as hazardous		

### Mixtures:

Not Applicable

## Section 4. First-aid measures

### Description of necessary first aid measures:

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 and health effects:

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

### Indication of immediate medical attention and special treatment needed, if necessary:

No further first aid information is available.

## Section 5. Firefighting measures

### Extinguishing media:

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.
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### Special protective equipment and precautions for firefighters:

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

## Section 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment as required.

**Environmental protection:**

Not available

**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.

## Section 7. Handling 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 protection

**Exposure control measures:**

Chemical Name	China - Occupational Exposure Standards - TWAs (mg/m3)	China - Occupational Exposure Standards - STELs (mg/m3)	China - Occupational Exposure Standards - CEILs (mg/m3)
No data available			

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

**Engineering controls:**

General.

**Individual protection measures, for example personal protective equipment (PPE):**
**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****Appearance (physical state, color etc.):**

Physical State: Powder.

Color: Yellow

**Odor:** Dextrin**Odor 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

**Vapor pressure:** Not available**Vapor density:** Not available**Relative density:** No data available**Solubility:** Soluble in water**Partition coefficient: n-octanol/water:** Not available**Auto-ignition temperature:** Not available**Decomposition temperature:** Not available**Viscosity:** Not available**Volatiles:** None**Volatile Organic Chemicals:** Not available**Other information:****Molecular weight:** Not available

## Section 10. Stability and reactivity

<b>Reactivity:</b>	Not expected to be reactive
<b>Chemical stability:</b>	Stable
<b>Possibility of hazardous reactions:</b>	Hazardous polymerization will not occur.
<b>Conditions to avoid:</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.

## Section 11. Toxicological information

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

<b>Information on possible routes of exposure:</b>	None known.
<b>Target Organs Potentially Affected By Exposure:</b>	None known.
<b>Symptoms related to the physical, chemical and toxicological characteristics:</b>	No data available
<b>Toxic Effects:</b>	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.
Inhalation Toxicity:	Based on available data, the GHS classification criteria are not met.

### Skin corrosion/irritation:

Wash skin with soap and water.

### Serious eye damage/irritation:

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.

### Reproductive Toxicity:

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

### Carcinogenicity:

No.

### Specific Target Organ Toxicity (STOT)-single exposure:

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

### 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.

**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.			

**Interactive effects:** No data available

## Section 12. Ecological information

**Ecotoxicity:** 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				

**Persistence and degradability:** Readily biodegradable.

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

**Mobility in soil:** Unknown

**Other adverse effects:** None known.

## Section 13. Disposal considerations

**Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:** 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

**CDG Classification:** Not regulated

**UN number:** Not Applicable

**UN Proper shipping name:** Not Applicable

**Transport hazard class:** Not Applicable

<b>Packing group:</b>	Not Applicable
<b>Toxic Inhalation Hazard Zone:</b>	No data available
<b>Environmental hazards for transport purposes:</b>	No data available
<b>Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):</b>	No data available
<b>Special precautions which a user needs to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises:</b>	Consult IMO regulations before transporting in bulk by ocean.
<b>Transport Notes:</b>	
<b>Requirements for means of transport:</b>	No data available
<b>Requirements for fire and emergency equipment:</b>	No data available
<b>Requirements for protection against fire, explosion and static discharge:</b>	No data available
<b>Incompatibility requirements:</b>	No data available
<b>Route Requirements:</b>	No data available
<b>Other transportation requirements:</b>	No data available

## Section 15. Regulatory information

### Safety, health and environmental regulations:

<b>TSCA Status:</b>	This product is manufactured in compliance with all provisions of the Toxic Substances Control Act, 15 U.S.C. 2601 et. seq.
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### China Chemical inventory of existing chemical substances (IECSC)

Chemical Name	CAS No.	China Chemical inventory of existing chemical substances (IECSC)
No data available		

### China Catalog of Hazardous Chemicals

Chemical Name	CAS No.	China Catalog of Hazardous Chemicals
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. Any other relevant information**

**Revision Date:** 02-06-2023

**Supersedes:**

**Revision Number:** 3

**Reason for revision:** New

**For Information Contact:** China/Taiwan/Hong Kong:  
Ingredion China Limited  
Customer Service: +86-21-3774-0066

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