

Section 1 - Chemical identification and supplier information

Product identifier:

Product Number: 32300300
Product Name: NOVATION INDULGE 3920 - 32300300

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
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

Classification of the hazardous chemical:**Label elements:****GHS Hazard Symbols:**

No hazard symbols required

GHS Classification:

Hazardous to the aquatic environment - Acute Category 3

Signal Word:

No signal word needed.

Hazard Statements:

H402 - Harmful to aquatic life.

Precautionary Statements:**Prevention:**

P273 - Avoid release to the environment.

Disposal:

P501 - Dispose of contents/container to .

Other hazardous information:

None known.

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

Not applicable

Mixture:

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

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. 62 mg/l. Minimum energy to ignite cloud by electrical spark- approx. 0.045 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. Prohibit smoking and open flames. Avoid sparks or other sources of static electricity.

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.

Mechanical handling of the powder on inadequately grounded equipment can result in static electrical discharges.

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/m³.

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: White

Odour: Starch

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
Vapour density:	Not available
Relative density:	No data available
Solubility:	Insoluble
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available

Section 10 - Chemical stability and reactivity

Reactivity:	Not expected to be reactive.
Chemical stability:	Stable
Hazardous reactions:	Hazardous polymerization will not occur.
Conditions to avoid:	None known
Incompatible materials:	None known
Decomposition reaction and toxic products of decomposition reactions:	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:

Information on different routes of exposure:	None known.
Target Organs Potentially Affected By Exposure:	None known.
Symptoms related to chemical toxicity and ecotoxicity:	No data available
Immediate harm, long-term harm and chronic effects from short-term and long-term exposure:	This product is considered as being non-toxic. Use of good industrial hygiene practices is recommended.
Exposure levels and health effects:	
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.
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.

FDA 21CFR172.892.

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: 08-04-2023

Supercedes: 02-24-2023

Revision Number: 4

Reason for revision: New

For Information Contact: Vietnam:
Ingredion Vietnam Company Limited
Tel: +84-28-54133368

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Safety Data Sheet

NOVATION INDULGE 3920 - 32300300
