



Safety Data Sheet

NOVATION INDULGE 1720 - 31460402

1. Identification

Product identifier used on the label:

Product number:

Product name:

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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

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:

PT. Ingredion Indonesia
Talavera Suite, Lt. Mezzanine
Jl. TB Simatupang Kav. 22-26
Jakarta Selatan 12430
Indonesia
Tel: +62-21-7592-4377 (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



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2. Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:
Label element:

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.

Hazards not otherwise classified:

None known.

3. Composition/information on ingredients

Substance:

Chemical Name	Synonyms	CAS #	Concentration (% by weight)
None classified as hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).			

Mixture:

Not applicable

4. First-aid measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, 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.

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

No further first aid information is available.

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., nature of any hazardous combustion products):

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 required.

Environmental precautions:

No data available

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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

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.

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

8. Exposure controls/personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.:

Chemical Name	Indonesia - Occupational Exposure Limits - Ministry of Health - TWAs	Indonesia - Occupational Exposure Limits - Ministry of Health - STELS	Indonesia - Occupational Exposure Limits - Ministry of Health - Biological Exposure Indices	Indonesia - Occupational Exposure Limits - Ministry of Health - CEILs
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, such as 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

Empirical data from single compound or mixture:

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 (°C): Not available

Freezing point (°C): 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(ies): Soluble in water

Partition coefficient: n-octanol/water: Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Viscosity: 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 (e.g., static discharge, shock, or vibration):	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.

11. Toxicological information

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

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	None known.
Target Organs Potentially Affected by Exposure:	None known.
Symptoms related to the 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:

Acute Toxicity - Oral:	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.
Acute Toxicity - Inhalation:	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.

Germ Cell Mutagenicity:

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

Carcinogenicity:

No.

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

12. Ecological information

Ecotoxicity (aquatic and terrestrial, where available): Low, but has a BOD contribution.

Component toxicity data:

Chemical Name	CAS #	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 (such as hazardous to the ozone layer): None known.

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.

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14. Transport information

UN number: Not applicable
UN proper shipping name: Not applicable
Transport hazard class(es): Not applicable
Packing group, if applicable: 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 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: Consult IMO regulations before transporting in bulk by ocean.

15. Regulatory information

Safety, health and environmental regulations specific for the product in question:

TSCA Status: This product is manufactured in compliance with all provisions of the Toxic Substances Control Act, 15 U.S.C. 2601 et. seq.

Indonesia Hazardous and Poisonous Substances

Chemical Name	CAS #	Indonesia - Hazardous and Poisonous Substances - Annex 1	Indonesia - Hazardous and Poisonous Substances - Annex 2 Table 1	Indonesia - Hazardous and Poisonous Substances - Annex 2 Table 2
No data available				

Indonesia - Narcotics Law

Chemical Name	CAS #	Indonesia - Narcotics Law Category 1	Indonesia - Narcotics Law Category 2	Indonesia - Narcotics Law Category 3
No data available				

Keamanan Bahan Berbahaya terhadap Kesehatan – Lampiran 1

Chemical Name	CAS #	Keamanan Bahan Berbahaya terhadap Kesehatan – Lampiran 1
No data available		

Montreal Protocol on Substances that Deplete the Ozone Layer

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

Stockholm Convention on Persistent Organic Pollutants

Chemical Name	CAS #	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 #	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 #	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.

Date of SDS preparation or last

11-20-2022



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revision (mm-dd-yyyy):

Supersedes: 11-16-2022

Revision Number: 2

Reason for revision: New

Key abbreviations or acronyms used: CAS = Chemical Abstract Service
DNEL= Derivative No Effect Level
EC= European Community
EINECS = European Inventory of Existing Chemical Substances
MSHA = Mine Safety Health Administration
NIOSH = National Institute of Occupational Safety & Health
OEL = Occupational Exposure Limit
PBT= Persistent, Bioaccumulative, Toxic
PNEC= Predicted No Effect Concentration
SCOEL= Scientific Committee on Occupational Exposure Limits
TLV = Threshold Limit Value
TWA= Time Weighted Average
vPvB= Very Persistent, Very Bioaccumulative
Wt.% = Weight Percent

For product information, contact: Indonesia:
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