

Section 1 - Identification

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:

National Starch Pty Ltd
New Zealand Branch
Unit 5, 706 Great South Road
Penrose Auckland 1642
New Zealand
Tel: +64 9 582 0284 (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:**GHS Hazard Symbols:**

No hazard symbols required

GHS Classification:

Not classified as hazardous in accordance with the Hazardous Substances and New Organisms Act

Signal Word:

No signal word needed.

Hazard Statements:

No Hazard Statement needed.

Precautionary Statements:

No Precautionary Statement needed.

Hazards not otherwise classified:

None known.

Section 3 - Composition/information on ingredients**Substance:**

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

Mixture:

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 effects, acute and delayed, caused by exposure:

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

Medical attention and special treatment:

No further first aid information is available.

Section 5 - Fire-fighting measures

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 - Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment as required.

Environmental precautions:

No data 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 | New Zealand - Occupational Exposure Standards - TWA | New Zealand - Occupational Exposure Standards - STEL | New Zealand - Occupational Exposure Standards - CEIL | New Zealand - Biological Exposure Limit - BEL |
|-------------------|---|--|--|---|
| 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, 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

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: Soluble in water

Partition coefficient: n-octanol/water: Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Kinematic viscosity: Not available

Particle Characteristics: Not applicable

Section 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: 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.

Section 11 - Toxicological information

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

Information on possible routes of exposure: None known.

Target Organs Potentially Affected By Exposure: None known.

Early onset symptoms related to exposure: No data available

Toxic Effects: 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

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

Disposal methods: 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.

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|---|
| Section 14 - Transport information |
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|--|---|
| UN number: | Not applicable |
| UN Proper shipping name: | Not applicable |
| UN dangerous goods class and subsidiary: | 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 |
| HAZCHEM Code: | No data available |
| Special precautions for user: | Consult IMO regulations before transporting in bulk by ocean. |

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| Section 15 - Regulatory information |
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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.

New Zealand - GHS Classifications - HSNO Chemical Classification Information Database (CCID)

| Chemical Name | CAS No. | New Zealand - GHS Classifications - HSNO Chemical Classification Information Database (CCID) |
|-------------------|---------|--|
| No data available | | |

New Zealand Inventory of Chemicals (NZIOC)

| Chemical Name | CAS No. | New Zealand Inventory of Chemicals (NZIOC) |
|-------------------|---------|--|
| No data available | | |

New Zealand - Priority List of Hazardous Substances

| Chemical Name | CAS No. | New Zealand - Priority List of Hazardous Substances |
|---------------|---------|---|
| | | |

| | | |
|-------------------|--|--|
| 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: 02-13-2023
Revision Number: 4
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 Information Contact:

New Zealand: Ingredion ANZ Pty Ltd

Customer Service : +64-9-5820284 (Business Hours)

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