

## 1. Identification

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**Product identifier used on the label:**           **PRECISA(R) CRISP 151**  
modified food starch

**Other means of identification:**

**Synonyms:**   None  
**Chemical family:**                                   Modified Starch

**Recommended use of the chemical and restrictions on use:**

**Recommended use:**                               Food products  
**Restrictions on use:**                             Not Available

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

**SUPPLIER**

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)

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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\*



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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. Hazard(s) identification

### Classification of the chemical in accordance with paragraph (d) of §1910.1200

**GHS Classification:** Not classified by GHS criteria

### Label elements, including precautionary statements:

**GHS Hazard Symbols:** No hazard symbols required

**Signal Word:** No signal word needed.

**Hazard Statements:** No Hazard Statement needed.

**Prevention:** No Precautionary Statement needed.

**Hazards not otherwise classified:** None known.

## 3. Composition/information on ingredients

| Chemical Name                               | CAS # | % |
|---|-------|---|
| This product is not classified as hazardous |       |   |

## 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:** Remove to fresh air. Get medical attention if irritation persists.

**Eye Contact:** If symptoms develop, obtain medical attention. Remove particles by irrigating with eye wash solution or clean water, holding the eyelids apart.

**Skin Contact:** Wash skin with soap and water.

**Ingestion:** None required.

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

None known.

**Most important symptoms/effects, acute and delayed:**

Possible physical irritant from dust particles. Potential for dust explosion.

## 5. Fire-fighting measures

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**Suitable extinguishing media:**

Dry Chemical, CO2, Water Fog, Foam

**Unsuitable extinguishing media:**

None known.

**Specific hazards arising from the chemical:**

Minimum ignition temperature of dust cloud- approx. 390 C. Minimum explosive concentration- approx. 70 mg/l. Minimum energy to ignite cloud by electrical spark- approx. 0.06 joules.

**Hazardous combustion products:**

This product does not undergo spontaneous decomposition. Typical combustion products are carbon monoxide, carbon dioxide, nitrogen and water.

**Special protective equipment and precautions for fire-fighters:**

No special procedures are required.

## 6. Accidental release measures

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**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.

## 7. Handling and storage

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**Precautions for safe handling:**

Normal precautions for handling chemicals are applicable.

**Conditions for safe storage, including any incompatibilities:**

**Safe storage conditions:**

**Special Sensitivity:**

Not available

**Sensitivity to Static Electricity:**

Yes

**Other Precautions:**

Use care to minimize dust generation in normal use conditions.

Avoid dispersing the powder in the air. Prevent buildup of powder on surfaces.

**Materials to Avoid/Chemical Incompatibility:**

No data available

## 8. Exposure controls/personal protection

### Control parameters – exposure standards, biological monitoring:

| Chemical component | New Zealand - Occupational Exposure Limits - TWAs | ACGIH STEL | New Zealand - Occupational Exposure Limits - Ceilings | New Zealand - Occupational Exposure Limits - Biological Exposure Limits |
|--------------------|---|------------|---|---|
| Not listed.        |   |            |   |   |

**Appropriate engineering controls:** No data available

**Individual protection measures, such as personal protective equipment:**

**Eye protection:** Safety glasses recommended.

**Skin protection:** Uniforms, coveralls, or a lab coat should be worn.

**Gloves:** No data available

**Respiratory Protection:** No data available

**Respirator Type(s):** NIOSH approved dust mask.

**Thermal Hazards:** Not available

## 9. Physical and chemical properties

**Appearance (physical state, color etc.):**

**Physical state:** Powder.

**Color:** White

**Odor:** Starch

**Odor Threshold:** Not available

**pH:** Not available

**pH in (1%) Solution:** Approximately 6

**Melting point/freezing point (°C):**

**Melting Point (°C):** Not available

**Freezing point (°C):** No data available

**Initial boiling point and boiling range (°C):** No data available

**Flash Point (°C):** No data available

**Flash Point Method:** Not available

**Evaporation Rate:** Not applicable

**Flammability (solid, gas):** Not available

**Upper/lower flammability or explosive limits:**

**Upper flammability or explosive limits:** Not available

**Lower flammability or explosive** Not available

**limits:**

|   |                   |
|---|-------------------|
| <b>Vapor pressure:</b>  | No data available |
| <b>Vapor density:</b>   | Not available     |
| <b>Relative density:</b>  | 1.5000000         |
| <b>Solubility(ies):</b>   | Soluble in water  |
| <b>Partition coefficient: n-octanol/water:</b>                      | Not available     |
| <b>Auto-ignition temperature (°C):</b>                              | No data available |
| <b>Decomposition temperature (°C):</b>                              | Not available     |
| <b>Viscosity:</b>   | Not available     |
| <b>VOC (as applied*- 2% by wt hardener-less exempts and water):</b> | NAP or            |
| <b>Bulk Density:</b>  | Not available     |

## 10. Stability and reactivity

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|   |   |
|---|---|
| <b>Reactivity:</b>  | Not expected to be reactive   |
| <b>Chemical stability:</b>  | Stable  |
| <b>Conditions to avoid (e.g., static discharge, shock, or vibration):</b> | None known.   |
| <b>Incompatible materials:</b>  | No data available   |
| <b>Possibility of hazardous reactions:</b>                                | Hazardous polymerization will not occur.  |
| <b>Hazardous decomposition products:</b>                                  | This product does not undergo spontaneous decomposition. Typical combustion products are carbon monoxide, carbon dioxide, nitrogen and water. |

## 11. Toxicological information

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|--|--|
| <b>Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):</b> | No data available  |
| <b>Symptoms related to the physical, chemical and toxicological characteristics:</b>               | No data available  |
| <b>Delayed and immediate effects and also chronic effects from short- and long-term exposure:</b>  |  |
| <b>Acute toxicity:</b>   |  |
| <b>Ingestion Toxicity:</b>   | None known.  |
| <b>Inhalation Toxicity:</b>  | No data available  |
| <b>Skin corrosion/irritation:</b>  | Based on available data, the GHS classification criteria are not met. Unlikely to cause harmful effects under recommended conditions of handling and use. Low order of toxicity. |

**Serious eye damage/irritation:** Based on available data, the GHS classification criteria are not met.  
**Respiratory or skin sensitisation:** None known.  
**Germ cell mutagenicity:** Based on available data, the GHS classification criteria are not met.  
**Carcinogenicity:** Based on available data, the GHS classification criteria are not met.  
**Reproductive and Developmental 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 |
|-------------------|-----------|-------------|-----------------|
| No data available |           |             |                 |

**12. Ecological information**

**Ecotoxicity (aquatic and terrestrial, where available):** No data available

**Ecological Toxicity Data:**

| Chemical Name     | CAS # | Aquatic EC50 Crustacea | Aquatic ERC50 Algae | Aquatic LC50 Fish |
|-------------------|-------|------------------------|---------------------|-------------------|
| No data available |       |                        |                     |                   |

**Persistence and degradability:** No data available  
**Bioaccumulative potential:** No data available  
**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.  
**Disposal of any contaminated packaging:** Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied.



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**Empty Container Warnings:** Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied.

## 14. Transport information

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### Carriage of dangerous goods by road (DOT), rail or inland waterways:

**UN number:** No data available  
**UN Proper shipping name:** Not applicable  
**Transport hazard class(es):** Not Applicable  
**Packing group, if applicable:** Not applicable

### International carriage of dangerous goods by sea (IMDG/IMO):

**UN number:** No data available  
**UN Proper shipping name:** Not applicable  
**Transport hazard class(es):** Not applicable  
**Packing group, if applicable:** Not applicable

### International carriage of dangerous goods by air (IATA):

**UN number:** No data available  
**UN Proper shipping name:** Not applicable  
**Transport hazard class(es):** Not applicable  
**Packing group, if applicable:** Not applicable

**Environmental hazards (e.g., Marine pollutant (Yes/No)):** Not available

**Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not 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.

**HAZCHEM Code:** No data available

## 15. Regulatory information

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

**TSCA** 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.

**HSNO approval number**

None known

**New Zealand Inventory of Chemicals (NZIoC):**

| Chemical Name     | CAS Number | New Zealand Inventory of Chemicals (NZIoC) |
|-------------------|------------|--|
| No data available |            |  |

**New Zealand - Priority List of Hazardous Substances:**

| Chemical Name     | CAS Number | New Zealand - Priority List of Hazardous Substances |
|-------------------|------------|---|
| No data available |            |   |

**New Zealand - HSNO - Toxic Substances:**

| Chemical Name     | CAS Number | New Zealand - HSNO - Toxic Substances |
|-------------------|------------|---------------------------------------|
| No data available |            |                                       |

**New Zealand - HSNO - Hazardous Gases - Control Codes:**

| Chemical Name     | CAS Number | New Zealand - HSNO - Hazardous Gases - Control Codes |
|-------------------|------------|--|
| No data available |            |  |

**New Zealand - HSNO - Class 3, 4 and 5 Dangerous Goods - Control Codes:**

| Chemical Name     | CAS Number | New Zealand - HSNO - Class 3, 4 and 5 Dangerous Goods - Control Codes |
|-------------------|------------|---|
| No data available |            |   |

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

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**Revision Date:** 30-07-2021  
**Supercedes:** 11-09-2019  
**Revision Number:** 4  
**Reason for revision:** New  
**FOR INFORMATION CONTACT::** New Zealand: Ingredion ANZ Pty Ltd  
 Customer Service : +64-9-5820284 (Business Hours)  
**Abbreviations and acronyms:** CAS = Chemical Abstract Service  
 DNEL= Derivative No Effect Level



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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

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