

Section 1 - Identification

Product identifier:

Product Number: 12100301
Product Name: CRISPIOCA

Other means of identification:

Chemical family: Modified Starch

Recommended use of the chemical and restrictions on use:

Recommended use: Food products
Restrictions on use: Not Available

Details of manufacturer or importer:

Ingredion ANZ Pty Ltd
Suite 3.02 level 3, Building 1,
Riverview Business Park,
3 Richardson Place, North Ryde NSW 2113
Tel : +612 9911 1200 (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:**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.

Australia Supplemental Hazard Information:

No data available

Hazards not otherwise classified:

None known.

Section 3 - Composition and information on ingredients

| Chemical Name | CAS No. | Concentration (% by weight) |
|------------------------------|---------|-----------------------------|
| Not classified as hazardous. | | |

Section 4 - First-aid measures**Description of necessary first aid measures:**

| | |
|---------------|---|
| Inhalation: | Remove to fresh air. Get medical attention if irritation persists. |
| 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. |

Symptoms caused by exposure:

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

Medical attention and special treatment:

No further first aid information is available.

Section 5 - Firefighting measures**Suitable extinguishing equipment:**

| | |
|---------------------------------|------------------------------------|
| Suitable extinguishing media: | Dry Chemical, CO2, Water Fog, Foam |
| Unsuitable extinguishing media: | None known. |

Specific hazards arising from the chemical:

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:

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

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 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:

Keep container closed when not in use.

Static Sensitivity:

Yes

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 and Personal protection

Exposure control measures:

| Chemical Name | Australia - Occupational Exposure Standards - TWAs (ppm) | Australia - Occupational Exposure Standards - STELs (ppm) |
|-------------------|--|---|
| 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. |
| Thermal hazards: | Not available |
| Eye and face protection: | Safety glasses recommended. |
| Skin protection: | Skin protection may be required depending on product temperature. |
| Gloves: | Gloves are not normally required for foreseeable conditions of use. |
| Other protective equipment: | Not normally required. Not applicable. |
| General hygiene conditions: | Wash before eating, drinking, or using toilet facilities. |

Section 9 - Physical and chemical properties

Appearance (physical state, color etc.):

| | |
|----------------------------|--------|
| Pure Substance or Mixture: | Pure |
| Physical State: | Powder |
| Colour: | White |

Odour: Starch

Odour Threshold: Not available

pH: Not available

pH in (1%) Solution: Approximately 4

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: 1.5

Solubility: Soluble in water

Partition coefficient: n-octanol/water: Not available

| | |
|--|----------------|
| Auto-ignition temperature: | Not available |
| Decomposition temperature: | Not available |
| Viscosity: | Not applicable |
| Volatiles: | None |
| Volatile Organic Chemicals: | Not applicable |
| Other Information: | |
| Particle Characteristics: | Not applicable |
| Particle size: | Not applicable |
| Shape and aspect ratio: | Not applicable |
| Size distribution: | Not applicable |
| Surface area: | Not applicable |
| Heat of decomposition: | Not applicable |
| Specific heat value: | Not applicable |
| Saturated vapour concentration: | Not applicable |
| Release of invisible flammable vapours and gases: | Not applicable |
| Crystallinity: | Not applicable |
| Dustiness: | Not applicable |
| Degree of aggregation or agglomeration, and dispersibility: | Not applicable |
| Redox potential: | Not applicable |
| Biodurability or biopersistence: | Not applicable |
| Surface coating or chemistry: | 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 Eye Contact, Skin Contact, Inhalation, Ingestion

exposure:

Target Organs Potentially Affected By Exposure: Not applicable.

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. Unlikely to cause harmful effects under recommended conditions of handling and use.

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) -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: No information available.

Ecological Toxicity Data:

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

Persistence and degradability: No data available

Bioaccumulative potential: No data available

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.

Section 14 - Transport information

ADG Classification: Not regulated

UN number: Not applicable

Proper shipping name or technical name: Not applicable

Transport hazard class: Not applicable

Packing group: Not applicable

Toxic Inhalation Hazard Zone: No data available

Environmental hazards for transport purposes: 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.

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.

Agricultural and Veterinary Chemicals Code Act 1994 (Commonwealth)

| Chemical Name | CAS No. | Australia - Agricultural and Veterinary Chemicals (Administration) Regulations - Schedule 1 - Part 2 | Australia - Agricultural and Veterinary Chemicals (Administration) Regulations - Schedule 1 - Part 3 |
|-------------------|---------|--|--|
| No data available | | | |

Australia Dangerous Goods

| Chemical Name | CAS No. | Australia - Dangerous Goods Code - ADG - Hazard Classifications | Australia - Dangerous Goods Code - ADG - Regulated Substances |
|-------------------|---------|---|---|
| No data available | | | |

Industrial Chemicals (Notification and Assessment) Act 1989 (AICS)

| Chemical Name | CAS No. | Inventory - Australia - Inventory of Chemical Substances (AICS) - Comparable Chemicals | Inventory - Australia - Inventory of Chemical Substances (AICS) - Excluded Use Chemicals |
|-------------------|---------|--|--|
| No data available | | | |

Inventory - Australia - Inventory of Industrial Chemicals (AIIC)

| Chemical Name | CAS No. | Inventory - Australia - Inventory of Industrial Chemicals (AIIC) |
|-------------------|---------|--|
| 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: 12-22-2022

Supersedes: 11-21-2022

Revision Number: 3

Reason for revision: New

FOR INFORMATION CONTACT: Australia: Ingredion ANZ Pty Ltd
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