

Section 1 - Identification

Product identifier:

Product Number: 06545100
Product Name: FARMAL MS 6135

Other means of identification:

Chemical family: Modified starch

Recommended use of the chemical and restrictions on use:

Recommended use: Not Available
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
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 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:**

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| Inhalation: | Remove to fresh air. Get medical attention if irritation persists. |
| Eye Contact: | Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. |
| Skin Contact: | Wash with soap and water for no less than 15 minutes. |
| Ingestion: | None required. |

Symptoms caused by exposure:

Not considered as hazardous.

Medical attention and special treatment:

No further first aid information is available.

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

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|---------------------------------|------------------------------------|
| Suitable extinguishing media: | CO2, Dry Chemical, Foam, Water Fog |
| 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:

Thermal decomposition could produce carbon monoxide, carbon dioxide, and unidentified organic compounds.

Special protective equipment and precautions for firefighters:

No special procedures are required.

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. Prohibit smoking and open flames. Avoid sparks or other sources of static electricity.

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

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.

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 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: Chemical safety glasses.

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.

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| Section 9 - Physical and chemical properties |
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Appearance (physical state, color etc.):

Physical State: Powder

Colour: White

Odour: Starch

Odour Threshold: Not available

pH: Approximately 6

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

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|--|-------------------|
| Vapour pressure: | Not available |
| Vapour density: | Not available |
| Relative density: | No data available |
| Solubility: | Not Available |
| Partition coefficient: n-octanol/water: | Not available |
| Auto-ignition temperature: | Not available |
| Decomposition temperature: | Not available |
| Viscosity: | Not available |
| Volatiles: | None |
| Volatile Organic Chemicals: | Not available |
| 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 |

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| Section 10 - Stability and reactivity |
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| 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. |

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| Section 11 - Toxicological information |
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Description of the various toxicological (health) effects and the available data used to identify those effects:

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| 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. Low order of toxicity. |
| 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: 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: Not needed.

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.

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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.

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: 11-20-2022

Revision Number: 3

Reason for revision: New

FOR INFORMATION CONTACT: Australia: Ingredion ANZ Pty Ltd
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Safety Data Sheet

FARMAL MS 6135

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