

FARMAL(TM) AF 1100

Section 1 - Identification

Product identifier:

Product Number: 70000383

Product Name: FARMAL(TM) AF 1100

starch

Other means of identification:

Chemical family: Modified starch

Recommended use of the chemical and restrictions on use:

Recommended use: Personal Care
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



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Classification	Of the	hazardous	chemica	ľ

GHS Hazard Symbols:

No hazard symbols required

GHS Classification: Hazardous to the aquatic environment - Acute Category 3

Signal Word: No signal word needed.

Hazard Statements: H402 - Harmful to aquatic life.

Precautionary Statements:

Prevention: P273 - Avoid release to the environment.

Disposal: P501 - Dispose of contents/container to a suitable disposal site in

accordance with the Hazardous Substances (Disposal) Regulations 2001.

Hazards not otherwise classified: None known.

Section 3 - Composition/information on ingredients

Substance:

Not applicable

Mixture:

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

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. If symptoms develop, obtain medical

attention.

Ingestion: Treat symptomatically and supportively. Get medical attention.

Most important symptoms and effects,

acute and delayed, caused by

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



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exposure:

Medical attention and special

treatment:

No further first aid information is available.

Section 5 - Fire-fighting measures

Suitable extinguishing equipment:

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. 80 mg/l. Minimum energy to ignite cloud

by electrical spark- approx. 0.10 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.

Section 6 - Accidental release measures

Personal precautions, protective equipment and emergency

procedures:

Use personal protective equipment as required.

No data available **Environmental precautions:**

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: All handling equipment must be properly grounded. Mechanical handling

of the powder on inadequately grounded equipment can result in static electrical discharges. Store in a cool, dry area away from heat, sparks or

fire.

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



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surfaces.

Materials to Avoid/Chemical

None known

Incompatibility:

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.

Eye and face protection: Wear safety glasses with side shields. Protect against dust and

particulates.

Skin protection: Employee must wear appropriate protective gloves to prevent contact with

this substance.

Gloves: The use of chemically resistant gloves is recommended.

Other protective equipment: Remove contaminated clothing and launder before reuse. 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.):

Pure Substance or Mixture: Pure
Physical State: Powder
Colour: White
Odour: Starch

Odour Threshold:

pH:

Not available

Not available

pH in (1%) Solution:

Approximately 6



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Melting point/freezing point:

Melting Point:

Freezing point:

Not available

Not available

Initial boiling point and boiling range:

Not available

Not available

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: Insoluble
Partition coefficient: n-octanol/water: Not available
Auto-ignition temperature: Not available
Decomposition temperature: Not available
Kinematic viscosity: Not applicable
Particle Characterstics: 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:

Incompatible materials:

None known

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:

Ingestion, Inhalation, Skin Contact, Eye Contact

Target Organs Potentially Affected By

Exposure:

None known.

Early onset symptoms related to

exposure:

No data available



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Toxic Effects: The toxicological properties of this product have not been fully evaluated. Use of good industrial hygiene practices is required. Avoid direct contact

with skin or eyes. Do not ingest or inhale.

Exposure levels and health effect	xposure	e levels	and	health	effects
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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: If symptoms develop, obtain medical attention. Repeated or prolonged

> skin contact may result in mild irritation. The toxicological properties of this product have not been fully evaluated. Use of good industrial hygiene practices is required. Avoid direct contact with skin or eyes. Do not ingest

or inhale.

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: **Aspiration hazard:**

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

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.



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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

UN number:
UN Proper shipping name:
Not applicable
UN dangerous goods class and
Not applicable

subsidiary:

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.

Section 15 - Regulatory information

Safety, health and environmental regulations:

TSCA Status: This material is not on the TSCA Inventory. It is excluded under the Food,

Drug, and Cosmetic Act.

FDA Cosmetic ingredient



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Chemical Name	CAS No.	New Zealand - GHS Classifications - HSNO Chemical Classification Information Database (CCID)
No data available		
New Zealand Inventory of Ch	nemicals (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 Substa	ances that Deplete the Ozone Lay	ver
Chemical Name	CAS No.	Montreal Protocol on Substances that Deplete the Ozone Layer
No data available		
Stockholm Convention on Po	ersistent Organic Pollutants	'
Chemical Name	CAS No.	Stockholm Convention on Persistent Organic Pollutants
No data available		
Rotterdam Convention on the Pesticides in International Tr		lure for Certain Hazardous Chemicals and
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



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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: 02-13-2023 **Supercedes:** 12-22-2022

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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