

FARMAL(TM) AF 1100

1. Identification of the substance or mixture and of the supplier

GHS product identifier:

Stock Number: 70000383

Product Name: FARMAL(TM) AF 1100

starch

Other means of identification:

Chemical family: Modified starch

Recommendations and restrictions on use of the substance or mixture:

Recommended use: Personal Care
Restrictions on use: Not Available

Supplier's details (i.e. name, address,

phone number(s)):

Ingredion (Thailand) Co., Ltd

40/14 Moo 12, Bangna-Trad Road, Bangplee, Samutprakarn 10540

Thailand

Tel: +662-725-0200 (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

2. Hazards identification

Classification of the chemical in accordance with system of Hazardous Substances B.E. 2555:



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GHS Hazard Symbols:

No hazard symbols required

GHS Classification of the substance or mixture, and national or regional

information:

Hazardous to the aquatic environment - Acute Category 3

Signal Word: No Signal Word needed.

Hazard Statements: Harmful to aquatic life.

Precautionary Statements:

Prevention: Avoid release to the environment.

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

with local/national/international regulations.

Other hazards which do not result in

GHS classification:

None known.

3. Composition/information on ingredients

Substance:

Not applicable

Mixture:

Chemical Name	CAS Number	Concentration (% by weight)
No hazardous components.		

4. First-aid measures

Description of necessary first-aid measures divided by relevant routes of exposure i.e. inhalation, skin, eye, and ingestion:

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/effects, Possible physical irritant from dust particles. Potential for dust explosion.



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acute and delayed:

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

No further first aid information is available.

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media:

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

Unsuitable extinguishing media: None known.

Specific hazards arising from the chemical e.g. hazardous combustion products that form when the substance or mixture burns:

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.

6. Accidental release measures

Personal precautions, protective equipment and emergency

procedures:

Use personal protective equipment as required.

Environmental precautions: Not 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

Precaution for safe handling and

storage:

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.



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

surfaces.

Materials to Avoid/Chemical

Incompatibility:

None known

8. Exposure controls/personal protection

Control parameters e.g. occupational exposure limit values, biological limit values:

	Thailand - Occupational	Thailand - Occupational	Thailand - Occupational
Chemical Name	Exposure Limits -	Exposure Limits -	Exposure Limits -
	TWA's	STEL's	CEIL's
No data available			

This product can produce a nuisance dust which should be maintained below a time weighted average of 10 mg/m3.

Appropriate engineering controls: General.

Individual protection measures e.g. personal protective equipment:

Respiratory Protection:

NIOSH approved dust mask.

Eye 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.

9. Physical and chemical properties

Appearance (physical state, color etc.):

Pure Substance or Mixture:
Pure
Physical State:
Color:
White
Odor:
Starch

Odor Threshold:

pH:

Not available

Not available

pH in (1%) Solution:

Approximately 6

Melting point/freezing point:

Melting Point:

Freezing point:

Not available

Not available



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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 Vapor pressure: Not available Vapor density: Not available

1.5 Relative density:

Solubility: Insoluble Partition coefficient: n-octanol/water: Not available **Heat of Decomposition:** Not available **Auto-ignition temperature:** Not available **Decomposition temperature:** Not available Not applicable **Viscosity:**

Volatiles: None

Volatile Organic Chemicals: Not applicable

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.

11. Toxicological information

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

Information of the likely routes of

exposure:

Ingestion, Inhalation, Skin Contact, Eye Contact

Target Organs Potentially Affected By

Exposure:

None known.

Symptoms related to physical,

chemical and toxicological

characteristics:

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.

Delayed and immediate effects and also chronic effects from short- and long-term exposure:

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.

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.

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

Skin sensitisation:

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

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:

Specific Target Organ Toxicity (STOT)

-repeated exposure:

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

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.			

12. Ecological information

Toxicity (aquatic and terrestrial): No information available.

Ecological Toxicity Data:

Chemical Name	CAS Number	Aquatic LC50 Fish	Aquatic ERC50 Algae	Aquatic EC50 Crustacea
No data available				



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Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: Unknown

Other adverse effects: None known.

13. Disposal considerations

Description on waste residue and safety transfer method, including appropriate disposal methods of waste residues and contaminated packaging: Disposal should be in accordance with local, state or national legislation.

14. Transport information

UN Transport classification:

UN Number: Not applicable Proper shipping name or technical Not regulated.

name:

Transport hazard class:

Packing group:

Not applicable

Not applicable

No data available

Environmental hazards (e.g., Marine

pollutant (Yes/No)):

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC

Code):

Special precautions for users, which a user needs to be aware of or needs to comply with in connection with transport either inside or outside the business site:

No data available

No data available

Consult IMO regulations before transporting in bulk by ocean.

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

Thailand - Toxic Chemical Substance List



Revision Date:

Safety Data Sheet

Chemical Name	CAS Number	Thailand - Toxic Chemical Substance List
No data available		
ailand - Priority Manage	ment Chemical List	
Chemical Name	CAS Number	Thailand - Priority Management Chemical List
No data available		
ailand - Thailand Explos	ive Substance and Pre	cursors
Chemical Name	CAS Number	Thailand - Thailand Explosive Substance and Precursors
No data available		
ntreal Protocol on Subs	stances that Deplete the	e Ozone Layer,
Chemical Name	CAS Number	Montreal Protocol on Substances that Deplete the Ozone Layer,
No data available		
ockholm Convention on	Persistent Organic Pol	lutants
Chemical Name	CAS Number	Stockholm Convention on Persistent Organic Pollutants
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12-22-2022



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Supercedes: 12-09-2022

Revision Number: 5
Reason for revision: New

For Information Contact Thailand:

Ingredion (Thailand) Co., Ltd

Customer Service: +66-2-725-0200

Disclaimer:

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