

N-DULGE 316 - 31470300

Section 1 - Identification

Product identifier:Product Number:

Product Name: N-DULGE 316 - 31470300

Other means of identification:

Chemical family: 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



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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: This material does not present a hazard if inhaled. Remove individual to

fresh air after an airborne exposure if any symptoms develop, as a

precautionary measure.

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.

Contributes to effluent BOD. 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:

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:

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. 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

No special sensitivity.

Other precautions: 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



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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. Dust masks should conform to EN 149.

Thermal hazards: Not available

Eye and face protection: Wear safety glasses. Personal eye protection should conform to EN 166.

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.

Section 9 - Physical and chemical properties

Appearance (physical state, color etc.):

Physical State: Powder Colour: White Starch

Odour Threshold:

pH:

Not available

Not available

pH in (1%) Solution:

Not available

Melting point/freezing point:

Melting Point:

Freezing point:

Initial boiling point and boiling range:

Flash Point:

Evaporation Rate:

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



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Vapour pressure: Not available Not available Vapour density: No data available Relative density:

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

Volatiles: None

Volatile Organic Chemicals: Not available

Other Information:

Particle Characterstics: 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 Not applicable

vapours and gases:

Crystallinity: Not applicable **Dustiness:** Not applicable Not applicable

Degree of aggregation or

agglomeration, and dispersibility:

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.



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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:

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.

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: Wash skin with soap and water.

Serious eye damage/irritation:

Respiratory sensitisation:

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

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

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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.			



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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: Empty containers may contain product residue; follow SDS and label

warnings even after they have been emptied.

Section 14 - Transport information

ADG Classification:

UN number:

Proper shipping name or technical

Not regulated

Not applicable

name:

Transport hazard class:

Packing group:

Not applicable

Not applicable

No data available

Environmental hazards for transport

purposes:

Transport in bulk (according to Annex

II of MARPOL 73/78 and the IBC

Code):

No data available

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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TSCA Status:		oduct is manufactured in nces Control Act, 15 U.S		ith all provisions of the Toxic
Agricultural and Veterin	ary Chemicals Code Act	·		•
Chemical Name	CAS No.	Australia - A and Veterina Chemicals (Administra	gricultural ary	Australia - Agricultural and Veterinary Chemicals (Administration) Regulations - Schedule - Part 3
No data available				
Australia Dangerous Go	ods	1		1
Chemical Name	CAS No.	Australia - D Goods Code Hazard Clas	e - ADG -	Australia - Dangerous Goods Code - ADG - Regulated Substances
No data available				
Industrial Chemicals (No	otification and Assessme	ent) Act 1989 (AICS)		
Chemical Name	CAS No.	Inventory - A	Australia - Chemical	Inventory - Australia - Inventory of Chemical
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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:
 11-20-2022

 Supercedes:
 11-08-2022

Revision Number: 2
Reason for revision: New

FOR INFORMATION CONTACT: Australia:Ingredion ANZ Pty Ltd

Customer Service: +61-2-9911 1200 (business hours)

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