

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

GHS product identifier:

Stock Number: 38964900
Product Name: DAIRYBLEND NATURAL IC 21

Other means of identification:

Chemical family: No data available

Recommendations and restrictions on use of the substance or mixture:

Recommended use: Emulsifying, Gelling, Stabilizing and Thickening Agent.
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:

GHS Hazard Symbols:

No hazard symbols required

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

Not Classified by GHS criteria

Signal Word:

No Signal Word needed.

Hazard Statements:

No Hazard Statement needed.

Precautionary Statements:

No Precautionary Statement needed.

Other hazards which do not result in GHS classification:

No data available

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:	When symptoms occur; go into open air and ventilate suspected area.
Eye Contact:	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin Contact:	Rinse with plenty of water.
Ingestion:	Rinse mouth. Do NOT induce vomiting.

Most important symptoms/effects, acute and delayed:

Dust from this product may cause minor eye irritation. Prolonged inhalation of dust may cause respiratory irritation. Dust may cause irritation in skin folds or by contact in combination with tight clothing.

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

No additional information available.

5. Fire-fighting measures**Suitable (and unsuitable) extinguishing media:**

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media:

Do not use a heavy water stream.

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

Stable at ambient temperatures and under normal conditions of use. Combustible Dust. Dust explosion hazard in air. Supports combustion at high temperatures. Under conditions of fire this material may produce: Carbon dioxide. Carbon monoxide. Avoid dust clouds in combination with static electricity. Dust clouds can be explosive.

Hazardous combustion products:

Carbon monoxide, carbon dioxide.

Special protective equipment and precautions for fire-fighters:

Exercise caution when fighting any chemical fire. Do not allow run-off from firefighting to enter drains or water courses. Do not enter fire areas without proper protective equipment, including respiratory protection.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Use appropriate personal protective equipment (PPE). Evacuate unnecessary personnel. Avoid generating dust. Handle in accordance with good industrial hygiene and safety practice. Good housekeeping is needed during storage, transfer, handling, and use of this material to avoid excessive dust accumulation. Ventilate area.

Environmental precautions:

Not available

Methods and materials for containment and cleaning up:

Should not be released into the environment. Prevent entry to sewers and public waters.

7. Handling and storage

Precaution for safe handling and storage:

Take precautionary measures against static discharge. Handle in accordance with good industrial hygiene and safety procedures.

Conditions for safe storage, including any incompatibilities:

Safe storage conditions:

Keep only in the original container in a cool, well ventilated place away from: Direct sunlight. Heat sources. Keep container closed when not in use. Protect from moisture.

Other precautions:

None known

Materials to Avoid/Chemical Incompatibility:

Strong acids. Strong bases.

8. Exposure controls/personal protection

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

Chemical Name	Thailand - Occupational Exposure Limits - TWA's	Thailand - Occupational Exposure Limits - STEL's	Thailand - Occupational Exposure Limits - 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: Provide adequate ventilation to minimize dust concentrations. Ensure all national/local regulations are observed. Proper grounding procedures to avoid static electricity should be followed.

Individual protection measures e.g. personal protective equipment:

Respiratory Protection: Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of dust are expected to exceed exposure limits.

Eye protection: Chemical goggles or safety glasses.

Skin protection: Skin protection may be required depending on product temperature.

Gloves: Wear protective gloves.

Other protective equipment: Not available

General hygiene conditions: When using, do not eat, drink or smoke.

9. Physical and chemical properties

Appearance (physical state, color etc.):

Physical State: Powder
Color: Off White-Light Tan

Odor: Odorless

Odor Threshold: Not available

pH: Not available

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

Vapor pressure: Not available

Vapor density: Not available

Relative density: No data available

Solubility: Not available

Partition coefficient: n-octanol/water: Not available

Heat of Decomposition:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
Volatiles:	None
Volatile Organic Chemicals:	Not available

10. Stability and reactivity

Reactivity:	Stable at ambient temperatures and under normal conditions of use.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Hazardous polymerization will not occur.
Conditions to avoid:	Direct sunlight. Extremely high or low temperatures. Protect from moisture. Use good housekeeping practices during storage, transfer, handling, to avoid excessive dust accumulation.
Incompatible materials:	Strong acids. Strong bases.
Hazardous decomposition products:	Under conditions of fire this material may produce: Carbon oxides (CO, CO ₂).

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:	Eye Contact, Skin Contact, Inhalation, Ingestion.
Target Organs Potentially Affected By Exposure:	None known.
Symptoms related to physical, chemical and toxicological characteristics:	No data available
Toxic Effects:	Not established.
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.
Inhalation Toxicity:	Based on available data, the GHS classification criteria are not met.
Skin corrosion/irritation:	Rinse with plenty of 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: No.
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.			

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				

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:	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 (e.g., Marine pollutant (Yes/No)):	No data available
Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):	No data available
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:	Consult IMO regulations before transporting in bulk by ocean.

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.
---------------------	---

Thailand - Toxic Chemical Substance List

Chemical Name	CAS Number	Thailand - Toxic Chemical Substance List
No data available		

Thailand - Priority Management Chemical List

Chemical Name	CAS Number	Thailand - Priority Management Chemical List
No data available		

Thailand - Thailand Explosive Substance and Precursors

Chemical Name	CAS Number	Thailand - Thailand Explosive Substance and Precursors
No data available		

Montreal Protocol on Substances that Deplete the Ozone Layer,

Chemical Name	CAS Number	Montreal Protocol on Substances that Deplete the Ozone Layer,
No data available		

Stockholm Convention on Persistent Organic Pollutants

Chemical Name	CAS Number	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 Number	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 Number	Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal.
No data available		

16. Other information, including date of preparation or last revision.

Revision Date: 12-02-2024
Supersedes: 12-02-2024
Revision Number: 2
Reason for revision: New

For Information Contact Thailand:
 Ingredion (Thailand) Co., Ltd
 Customer Service: +66-2-725-0200

Disclaimer:

The attached data has been compiled from sources which Ingredion Incorporated and the Ingredion group of companies, believe to be dependable and, to our knowledge and belief is accurate. However, Ingredion Incorporated and the Ingredion group of companies cannot make any warranty or representation respecting the accuracy or completeness of the data. We assume no responsibility for any liability or damages relating thereto, or for advising you regarding the protection of your employees, customers, or others. You should make your own tests to determine

the applicability of such information to, or the suitability of any products for your specific use. Ingredion Incorporated and the Ingredion group of companies expressly disclaims all warranties, expressed or implied, including but not limited to, warranties of merchantability, accuracy, fitness for use or for a particular purpose, and noninfringement. The United Nations Convention on Contracts for the International Sale of Goods shall not apply to sales of products by Ingredion Incorporated and the Ingredion group of companies. The INGREDION mark and logo are trademarks of the Ingredion group of companies.