

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier: PURITY ALPHA 801
flour

Other means of identification:

Chemical family: Carbohydrate

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Relevant identified uses: Food products

Uses advised against: Not Available

1.3 Details of the Supplier of the Safety Data Sheet:

SUPPLIER

INGREDION INDIA PVT LTD.
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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

2. Hazards identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 [CLP]: Not classified as hazardous in accordance with GHS Regulation.

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008 [CLP]:

Hazard pictograms: No hazard symbols required

Signal Word: No signal word needed.

Hazard Statements: No Hazard Statement needed.

Precautionary Statements: No Precautionary Statement needed.

Supplemental Hazard information (EU): None known.

Hazards not otherwise classified:

DUST: None known.

EYE: Particulates may scratch eye surfaces and cause mechanical irritation.

SKIN CONTACT: Low order of toxicity.

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

INGESTION: Low oral toxicity.

3. Composition/information on ingredients

3.1 Substances:

Not applicable

3.2 Mixtures:

| Chemical Name | CAS # | % |
|--------------------------|-------|---|
| No hazardous components. | | |

For full text of H-statements see Section 16

4. First aid measures

4.1 Description of first aid measures:

| | |
|--|---|
| Inhalation: | Remove to fresh air. Get medical attention if irritation persists. |
| Eye contact: | If symptoms develop, obtain medical attention. Remove particles by irrigating with eye wash solution or clean water, holding the eyelids apart. |
| Skin Contact: | Wash skin with soap and water. |
| Ingestion: | None required. |
| Self protection of the first aider: | No data available |

4.2 Most important symptoms and effects, both acute and delayed: Possible physical irritant from dust particles. Potential for dust explosion.

4.3 Indication of any immediate medical attention and special treatment needed: None known.

5. Firefighting measures

5.1 Extinguishing media:

| | |
|--|------------------------------------|
| Suitable extinguishing media: | Dry Chemical, CO2, Water Fog, Foam |
| Unsuitable extinguishing media: | None known. |

5.2 Special hazards arising from the substance or mixture: Dust may be explosive if mixed with air in critical proportions and in the presence of a source of ignition.

Hazardous Combustion Products: This product does not undergo spontaneous decomposition. Typical combustion products are carbon monoxide, carbon dioxide, nitrogen and water.

5.3 Advice for firefighters: No special procedures are required.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

| | |
|---------------------------------|--|
| Non-emergency personnel: | Non-emergency personnel should be kept clear of the area |
| Emergency responders: | Use personal protective equipment as required. |

6.2 Environmental precautions: No data available

6.3 Methods and material for containment and cleaning up:

| | |
|----------------------|--|
| Small spills: | Refer to information provided for large spills |
| Large spills: | 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. |

6.4 Reference to other sections: See Section 8 for appropriate personal protective equipment. See

Sections 2 and 7 for additional information on hazards and precautionary measures.

7. Handling and storage

7.1 Precautions for safe handling: Normal precautions for handling chemicals are applicable.

7.2 Conditions for safe storage, including any incompatibilities:

Conditions for safe storage:

Special Sensitivity: Not available

Sensitivity to Static Electricity: 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.

Materials to Avoid/Chemical Incompatibility: No data available

7.3 Specific end use(s): Food products

8. Exposure controls/personal protection

8.1 Control parameters:

Occupational Exposure limit values:

| Chemical Name | INDIA - Occupational Exposure Limits - TWAs | INDIA - Occupational Exposure Limits - STELs | INDIA - Occupational Exposure Limits - Ceilings | INDIA - Biological Exposure Limits |
|---------------|---|--|---|------------------------------------|
| Not listed. | | | | |

DNEL: None known.

PNEC: None known.

8.2 Exposure controls:

Appropriate engineering controls: No data available

Individual protection measures, such as personal protective equipment:

Eye and face protection: Safety glasses recommended.

Skin Protection:

Hand protection: No data available

Other skin protection: Not applicable. Uniforms, coveralls, or a lab coat should be worn.

Respiratory Protection: No data available

| | |
|---|--|
| Respirator Type(s): | NIOSH approved dust mask. |
| Other Protective Equipment: | Wash before eating, drinking, or using toilet facilities. |
| General Hygiene Conditions: | Not normally required. |
| Thermal Hazards: | Not available |
| Environmental exposure controls: | Avoid runoff into storm sewers and ditches that lead to waterways. |

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties:

| | |
|--|-------------------|
| Appearance: | Powder. |
| Colour: | Off-white |
| Odour: | Characteristic |
| Odour threshold: | Not available |
| pH: | Not available |
| pH in (1%) Solution: | Approximately 6 |
| Melting point / freezing point: | |
| Melting point: | Not available |
| Freezing point (°C): | No data available |
| Initial boiling point and boiling range (°C): | No data available |
| Flash point (°C): | No data available |
| Flash point method: | Not available |
| Evaporation Rate (water = 1): | Not applicable |
| Flammability (solid, gas): | Not available |
| Upper/lower flammability or explosive limits: | |
| Upper flammable or explosive limit, % in air: | Not available |
| Lower flammable or explosive limit, % in air: | Not available |
| Vapour pressure: | Not available |
| Vapor Density (Air=1): | Not available |
| Relative density: | 1.5000000 |
| Solubility(ies): | Insoluble |
| Partition coefficient: n-octanol/water: | Not available |
| Auto-ignition temperature (°C): | No data available |
| Decomposition temperature (°C): | Not available |
| Viscosity: | Not available |
| Explosive properties: | Not available |

Oxidizing properties: Not available

9.2 Other information:

Heat of decomposition: Not available

Volatiles by weight: Not available

Volatile Organic Chemicals: Not available

Molecular formula: Not available

Molecular weight: > 10000

Liquid density: Not available

VOC (as applied*- 2% by wt hardener-less exempts and water): NAP or

Bulk density: Not available

10. Stability and reactivity

10.1 Reactivity: Not expected to be reactive

10.2 Chemical stability: Stable

10.3 Possibility of hazardous reactions: Hazardous polymerization will not occur.

10.4 Conditions to avoid: None known.

10.5 Incompatible materials: No data available

10.6 Hazardous decomposition products: This product does not undergo spontaneous decomposition. Typical combustion products are carbon monoxide, carbon dioxide, nitrogen and water.

11. Toxicological information

11.1 Information on toxicological effects:

Acute toxicity:

| Chemical Name | ORAL LD50 (rat) | DERMAL LD50 (rabbit) | INHALATION LC50 (rat) |
|-------------------|-----------------|----------------------|-----------------------|
| No data available | | | |

Skin corrosion/irritation:

Based on available data, the GHS classification criteria are not met.
 Unlikely to cause harmful effects under recommended conditions of handling and use.
 Low order of toxicity.

Serious eye damage/irritation:

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

Respiratory or skin sensitisation:



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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:

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

Reproductive toxicity:

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

STOT-single exposure:

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

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.

12. Ecological information

12.1 Toxicity: No data available

Ecological Toxicity Data:

| Chemical Name | CAS # | Aquatic EC50 Crustacea | Aquatic ERC50 Algae | Aquatic LC50 Fish |
|-------------------|-------|---------------------------|------------------------|-------------------|
| No data available | | | | |

12.2 Persistence and degradability: No data available

12.3 Bioaccumulative potential: No data available

12.4 Mobility in soil: Unknown

**12.5 Results of PBT and vPvB
assessment:** Not applicable

12.6 Other adverse effects: None known.

12.7 Additional information: No data available

13. Disposal considerations

13.1 Waste treatment methods:

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.

14. Transport information

International carriage of dangerous goods by road (ADR), rail or inland waterways:

- 14.1. UN number: No data available
- 14.2. UN proper shipping name: Not applicable
- 14.3. Transport hazard class(es): Not Applicable
- 14.4. Packing group: Not applicable

International carriage of dangerous goods by sea (IMDG/IMO):

- 14.1. UN number: No data available
- 14.2. UN proper shipping name: Not applicable
- 14.3. Transport hazard class(es): Not applicable
- 14.4. Packing group: Not applicable

International carriage of dangerous goods by air (IATA):

- 14.1. UN number: No data available
- 14.2. UN proper shipping name: Not Applicable
- 14.3. Transport hazard class(es): Not applicable
- 14.4. Packing group: Not applicable
- 14.5. Environmental hazards: Not available
- 14.6. Special precautions for user: Consult IMO regulations before transporting in bulk by ocean.
- 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Not available

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

- TSCA** This material is not on the TSCA Inventory. It is excluded under the Food, Drug, and Cosmetic Act.
- FDA** 21CFR 170.30(d)

| Chemical Name | Ozone Depleting Substances Schedule | Hazardous Chemical Rules List of Hazardous |
|---|-------------------------------------|--|
| None of the components are listed on this regulatory list | | |

16. Other information

Revision Date: 02-08-2021
Supercedes: 27-05-2020
Revision Number: 6
Reason for revision: New

FOR INFORMATION CONTACT: India:
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Abbreviations and acronyms:

- 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

Hazard phrase(s) referenced in section 3: No data available

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| Classification according to Regulation (EC) Nr. 1272/2008 | Classification procedure |
|---|--------------------------|
| Not available | |

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