

## SECTION 1. Identification of the hazardous chemical or mixture and of the supplier or manufacturer

### Name of the dangerous chemical or mixture:

Product number: 06400400  
Product name: VERSAFIBE 1490  
modified food starch

### Other means of identification:

Chemical family: Modified starch

### Recommended use of the hazardous chemical or mixture, and restrictions of use:

Recommended use: Food products  
Restrictions on use: Not Available

### Details of the supplier or manufacturer:

Ingredion Mexico, S.A. of C.V.  
Corporate Andares Tower Paseo  
Blvd. Puerta de Hierro #5153, Floor 22  
Col. Fracc. Plaza Andares, C.P. 45116, Zapopan, Jalisco  
Telephone: +52 (33) 3884-9000 (business hours)  
Emergency Phone: 800-681-9531 (CHEMTREC) +1-703-741-5970  
(Global CHEMTREC)

### Phone number in case of emergency:

## SECTION 2. Identification of the hazards

### Classification of the hazardous chemical or mixture, according to the GHS:

GHS Classification: Not classified as hazardous in accordance with NOM-018-STPS-2015

### Elements of signaling, including precautionary advice and precautionary pictograms:

#### Symbols:

No hazard symbols required

#### Word of warning:

No signal word needed.

#### Indication of danger:

No Hazard Statement needed.

#### Precautionary Statements:

No Precautionary Statement needed.

#### Other hazards that do not contribute to the classification:

None known.

## SECTION 3. Composition / information on the components

### For substances:

Not applicable

### For mixtures:

| Chemical identity of the substance                     | CAS number | Concentration or concentration ranges |
|--|------------|---------------------------------------|
| None classified as hazardous under the GHS regulations |            |                                       |

## SECTION 4. First aid

### Description of first aid:

|               |   |
|---------------|---|
| 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.  |
| Ingestion:    | None required.  |

### Symptoms and most important effects, acute and chronic:

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

### Indication of the need to receive immediate medical attention and, where appropriate, special treatment:

No further first aid information is available.

## SECTION 5. Fire-fighting measures

### Appropriate extinguishing media:

|                                 |   |
|---------------------------------|---|
| Suitable extinguishing media:   | Dry Chemical, CO <sub>2</sub> , Water Fog, Foam |
| Unsuitable extinguishing media: | None known.                                     |

### Specific hazards of hazardous chemical substances or mixtures:

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 measures to be followed by fire fighting groups:

No special procedures are required.

## SECTION 6. Measures to be taken in case of accidental spillage or accidental leakage

### Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment as required.

### Precautions relating to the

Not available

**environment:**

**Methods and materials for the containment and cleaning of spills or leaks:**

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 that must be taken to ensure safe handling:**

As with all chemicals, good industrial hygiene practices should be followed when handling this material.

**Conditions of safe storage, including any incompatibility:**

Conditions for safe storage: Keep container closed when not in use.

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: None known

**SECTION 8. Exposure controls / personal protection**

**Control parameters:**

| Chemical identity of the substance | Mexico - Occupational Exposure Limits - TWAs (LMPE-PPTs) | Mexico - Occupational Exposure Limits - STELs (LMPE-CTs) | Mexico - Occupational Exposure Limits - Ceilings (LMPE-Pico) | Mexico - Occupational Exposure Limits - BEIs (IBE) |
|------------------------------------|--|--|--|--|
| No data available                  |  |  |  |  |

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

**Appropriate technical controls:** General.

**Individual protection measures, such as personal protective equipment, PPE:**

**Eye and face protection:** Safety glasses recommended.

**Skin protection:** Gloves are not normally required for foreseeable conditions of use.

**Gloves:** Gloves are not normally required for foreseeable conditions of use.

**Respiratory Protection:** NIOSH approved dust mask.

**Thermal hazards:** Not available

**SECTION 9. Physical and chemical properties****Appearance (physical state, color, etc.):**

Pure Substance or Mixture: Pure  
Physical state: Powder  
Color: White

**Odor:** Starch

**Odor threshold:** Not available

**Hydrogen potential, pH:** Not available

**pH in (1%) Solution:** Approximately 7

**Melting point / freezing point:**

Melting point: Not available

Freezing point: Not available

**Initial 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 limit of flammability or  
explosiveness: Not available

Lower limit of flammability or  
explosiveness: Not available

**Vapor pressure:** Not available

**Vapor density:** Not available

**Relative density:** 1.5

**Solubility(s):** Insoluble

**N-octanol / water partition coefficient:** Not available

**Spontaneous ignition temperature:** Not available

**Decomposition temperature:** Not available

**Viscosity:** Not applicable

**Volatiles:** None

**Volatile Organic Chemicals (VOC):** Not applicable

**Other relevant information:**

**Molecular weight:** > 10000

**SECTION 10. Stability and reactivity**

**Reactivity:** Not expected to be reactive.

**Chemical stability:** Stable

**Possibility of dangerous reactions:** Hazardous polymerization will not occur.

|  |   |
|--|---|
| <b>Conditions to be avoided:</b>         | None known  |
| <b>Incompatible materials:</b>           | None known  |
| <b>Hazardous decomposition products:</b> | This product does not undergo spontaneous decomposition. Typical combustion products are carbon monoxide, carbon dioxide, nitrogen and water. |

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| <b>SECTION 11. Toxicological information</b> |
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**Description of the various toxicological (health) effects and the available data used to identify those effects:**

|  |   |
|--|---|
| <b>Information about the probable intake routes:</b>                             | Ingestion, Inhalation, Skin Contact, Eye Contact  |
| <b>Target Organs Potentially Affected by Exposure:</b>                           | Not applicable.   |
| <b>Symptoms related to physical, chemical and toxicological characteristics:</b> | No data available   |
| <b>Toxic effects:</b>  | This product is considered as being non-toxic. Use of good industrial hygiene practices is recommended. |

**Immediate and delayed effects, as well as chronic effects produced by a short or 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:** Low order of toxicity. Unlikely to cause harmful effects under recommended conditions of handling and use.

**Eye Damage / Irritation:** Based on available data, the GHS classification criteria are not met.

**Respiratory Sensitization:** Based on available data, the GHS classification criteria are not met.

**Skin Sensitization:** Based on available data, the GHS classification criteria are not met.

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

**Reproductive and Developmental Toxicity:** Based on available data, the GHS classification criteria are not met.

**Carcinogenicity:** 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.

**Numerical measures of toxicity (such as estimates of acute toxicity):**

There is no known toxicity data available for the components or the product

**Interactive effects:** No data available

## SECTION 12. Ecotoxicological information

**Toxicity:** No information available.

### Ecological Toxicity Data:

| Chemical identity of the substance | CAS number | Aquatic LC50 Fish | Aquatic ERC50 Algae | Aquatic EC50 Crustacea |
|------------------------------------|------------|-------------------|---------------------|------------------------|
| No data available                  |            |                   |                     |                        |

**Persistence and degradability:** No data available

**Bioaccumulation potential:** No data available

**Mobility in soil:** Unknown

**Other adverse effects:** None known.

## SECTION 13. Information regarding the disposal of the products

**Description of the waste and information on how to handle it safely and its disposal methods , including the disposal of contaminated containers:** 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

**DOT Classification:** Not regulated

**UN number:** Not applicable

**Official transportation designation of the United Nations:** Not applicable

**Class (s) of transportation hazards:** Not applicable

**Packing group, if applicable:** Not applicable

**Toxic Inhalation Hazard Zone:** No data available

**Environmental risks:** No data available

**Transport in bulk according to Annex II of MARPOL 73/78 and to the IBC Code (IBC ).:** No data available

**Special precautions for the user:** Consult IMO regulations before transporting in bulk by ocean.

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| <b>SECTION 15. Regulatory information</b> |
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Specific provisions on safety, health and the environment for hazardous chemical substances or mixture in question:

**Montreal Protocol on Substances that Deplete the Ozone Layer**

| Chemical identity of the substance | CAS number | Montreal Protocol on Substances that Deplete the Ozone Layer |
|------------------------------------|------------|--|
| No data available                  |            |  |

**Stockholm Convention on Persistent Organic Pollutants**

| Chemical identity of the substance | 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 identity of the substance | 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 identity of the substance | CAS number | Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal. |
|------------------------------------|------------|--|
| No data available                  |            |  |

**Mexico - Pollutant Release and Transfer Register**

| Chemical identity of the substance | CAS number | Reporting Emissions - Threshold Quantities | Reporting Emissions for Manufacturing, Process or Use -Threshold Quantities |
|------------------------------------|------------|--|---|
| No data available                  |            |  |   |

**Mexico - National Inventory of Chemical Substances (INSQ).**

| Chemical identity of the substance | CAS number | Mexico - National Inventory of Chemical Substances (INSQ). |
|------------------------------------|------------|--|
| No data available                  |            |  |



# Safety Data Sheet

VERSAFIBE 1490

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| <b>SECTION 16. Other information including those related to the preparation and updating of the safety data sheets</b> |
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**Date of SDS preparation or last revision (mm-dd-yyyy):** 08-06-2024

**For product information, contact** For product information, contact:  
Ingredion Incorporated Customer Service: 1-800-713-0208

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