



SAFETY DATA SHEET

TICALOID Tortilla 38514932

1. Identification

Product identifier used on the label:

PRODUCT NUMBER : 38514932
PRODUCT NAME: TICALOID Tortilla 38514932

Other means of identification

Recommended use of the chemical and restrictions on use

Recommended use: Emulsifying, Gelling, Stabilizing and Thickening Agent.
Restrictions on use: Not Available

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party: Ingredion Incorporated
5 Westbrook Corporate Center
Westchester, IL. 60154
USA
Emergency phone number: 410-273-7308

2. Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200

GHS Hazard

Symbols: No hazard symbols required

GHS Classification: Combustible Dust Category 1

Signal Word: Warning

Hazard Statements: May form combustible dust concentrations in air.

Safety Precautions: No Precautionary Statement needed.

Hazards not otherwise classified: No data available

3. Composition/information on ingredients

Chemical Name:	CAS #	%
None classified as hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).		

4. First-aid measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, 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:	Not expected to present a significant hazard under anticipated conditions of normal use.
Indication of immediate medical attention and special treatment needed, if necessary:	No additional information available.
Symptoms /injuries after inhalation:	Prolonged inhalation of dust may cause respiratory irritation.
Symptoms /injuries after skin contact:	Dust may cause irritation in skin folds or by contact in combination with tight clothing.
Symptoms /injuries after eye contact:	Dust from this product may cause minor eye irritation.
Symptoms/injuries after ingestion:	None under normal use.

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:

Fire hazard:	Combustible Dust. Dust explosion hazard in air. Supports combustion at high temperatures. Under conditions of fire this material may produce: Carbon dioxide. Carbon monoxide.
Explosion hazard:	Avoid dust clouds in combination with static electricity. Dust clouds can be explosive.
Reactivity:	Stable at ambient temperatures and under normal conditions of use.
Firefighting instructions:	Exercise caution when fighting any chemical fire. Do not allow run-off from firefighting to enter drains or water courses.
Special protective equipment and precautions for fire-	Do not enter fire areas without proper protective equipment, including respiratory protection.

fighters:

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

General measures: 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.

For non-emergency personnel:

Protective equipment: Use appropriate personal protective equipment (PPE).
 Emergency procedures: Evacuate unnecessary personnel.

For emergency responders:

Protective equipment: Equip cleanup crew with proper protection.
 Emergency procedures: Ventilate area.

Environmental precautions:

Prevent entry to sewers and public waters.

Methods and materials for containment and cleaning up:

Should not be released into the environment.

Reference to other sections:

See Heading 8. Exposure controls and personal protection.

7. Handling and storage

Precautions for safe handling

Take precautionary measures against static discharge.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety procedures.

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.

Special Sensitivity:

Not available

Materials to Avoid/Chemical Incompatibility:

Strong bases. Strong acids.

8. Exposure controls/personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:

Chemical Component	OSHA PEL	ACGIH TLV-TWA	AIHA Exposure limits
No data available	(Respirable Dust): 5 mg/m ³ (Total Dust): 15 mg/m ³		

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.

Ventilation Requirements:

None required under normal handling conditions.

Individual protection measures, such as personal protective equipment.:

Dust formation: Dust mask. Gloves. Protective goggles.



Eye Protection:	Chemical goggles or safety glasses.
Skin Protection:	Wear protective gloves.
Respiratory Protection:	Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of dust are expected to exceed exposure limits.
Other Protective Equipment:	Not available
General Hygiene Conditions:	When using, do not eat, drink or smoke.
Change/Removal of Clothing:	Wear protective equipment to comply with good occupational hygiene practice.

9. Physical and chemical properties

Physical state:	Powder.
Color:	Off White
Odor:	Odorless
Odor Threshold:	Not available
pH:	Not applicable
Melting Point (°C):	Not available
Initial boiling point and boiling range (°C):	Not available
Flash Point (°C):	Not Applicable
Evaporation Rate:	Not applicable
Flammability (solid, gas):	Not available
Upper flammability or explosive limits:	Not available
Lower flammability or explosive limits:	Not available
Vapor pressure:	Not available
Vapor density:	Not available
Relative density:	Not available
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature (°C):	No data available
Decomposition temperature (°C):	Not determined.
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 (e.g., static discharge, shock, or vibration):	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

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	Eye Contact, Skin Contact, Inhalation, Ingestion.
Symptoms related to the physical, chemical and toxicological characteristics:	No data available

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

Acute (Short Term) Effects of Exposure

Effects of Acute Exposure	Unlikely to cause harmful effects under recommended conditions of handling and use.
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Chronic (Long Term) Effects of Exposure

Effects of Chronic Exposure	No information available.
Target Organs	None known.

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

Chemical Name	ORAL LD50	DERMAL LD50	INHALATION LC50
No data available			

Has the chemical been classified as a Carcinogen by NTP, IARC or OSHA:

Chemical Name	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen
There are no components that are known or reported to cause cancer			



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12. Ecological information

Ecotoxicity (aquatic and terrestrial, where available):	No information available.
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Mobility in soil:	Unknown
Other adverse effects (such as hazardous to the ozone layer):	None known.

13. Disposal considerations

Waste 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

DOT Classification	Not regulated
UN number:	Not Applicable
UN proper shipping name:	Not Applicable
Transport hazard class(es):	Not Applicable
Packing group, if applicable:	Not Applicable
Environmental hazards (e.g., Marine pollutant (Yes/No)):	No data available
Special precautions:	Consult IMO regulations before transporting in bulk by ocean.

15. Regulatory information

TSCA Status: This product is manufactured in compliance with all provisions of the Toxic Substances Control Act, 15 U.S.C. 2601 et. seq.

SARA - Section 313 (Superfund Amendments and Reauthorization Act of 1986 - 40CFR 372)

CAS NUMBER	CONCENTRATION (% by weight)
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Contains no substances at or above the reporting threshold under Section 313.

CALIFORNIA PROPOSITION 65

WARNING: This product contains the following chemicals that are known to the State of California to cause cancer, birth defects or other reproductive harm.

Unless a concentration is specified in Section 2 of the SDS, the below chemical/s are present in trace amounts.



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Component
None reportable.

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

HMIS® Hazard Ratings

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs by OSHA's 29 CFR 1910.1200, we choose to provide them as a service to our customers using HMIS®. These ratings are to be used only with a fully implemented HMIS® program. To deal adequately with the safe handling of this material, all the information contained in this SDS must be considered. NPCA recommends that employers must determine appropriate PPE for the actual conditions under which this product is used in their workplace. For information on PPE codes, consult the HMIS® Implementation Manual. When two ratings are provided for Health, the first represents the material 'as supplied', and the second represents the material 'in use'. * = chronic health hazard HMIS® is a registered trademark of the National Paint and Coatings Association (NPCA).

Health

Flammability

Reactivity

Revision Date

07-July-2021

Revision Number

None known.

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