

1. Identification

Product identifier used on the label:

Product number: 38940900
Product name: TICAGEL 822 38940900

Other means of identification:

Chemical family: No data available

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
Phone: 708-551-2600 (business hours)

Emergency phone number:

MEDICAL: 1-866-374-2659 (Health & Safety Call Center - 24 hours)
TRANSPORT: 1-800-424-9400 (CHEMTREC - 24 hours)

2. Hazard(s) identification

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

GHS Hazard Symbols:



GHS Classification:

Acute Toxicity - Inhalation Dust / Mist Category 3
Acute Toxicity - Dermal Category 4
Combustible Dust Category 1

Signal Word:

Danger

Hazard Statements:

Harmful in contact with skin.
Toxic if inhaled.
May form combustible dust concentrations in air.

Precautionary Statements:

Prevention:

Avoid breathing dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing.

Response:

If on skin: Wash with plenty of water.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
Call a poison center or doctor/physician.
Specific treatment (see Sections 4 to 8 on this SDS and any additional

information on product label).

Storage: Take off contaminated clothing and wash it before reuse.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.

Disposal: Dispose of contents/container in accordance with
local/regional/national/international regulation for hazardous wastes.

Hazards not otherwise classified: No data available

3. Composition/information on ingredients

Chemical Name	CAS #	Concentration (% by weight)
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:

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., nature of any

Stable at ambient temperatures and under normal conditions of use.
Combustible Dust. Dust explosion hazard in air. Supports combustion at

hazardous combustion products): 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.

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

Precautions for safe handling: 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

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 Name	OSHA PEL	ACGIH TLV-TWA	AIHA Exposure limits
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, such as 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

Odor: Odorless

Odor Threshold: Not available

pH: Not available

pH in (1%) Solution: Not available

Melting point/freezing point:

Melting Point (°C): Not available

Freezing point (°C): Not available

Initial boiling point and boiling range: Not available

Flash Point: Not applicable

Evaporation Rate: Not applicable

Flammability (solid, gas): Not available

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(ies): Not available

Partition coefficient: n-octanol/water: Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Viscosity: Not available

Volatiles: None

Volatile Organic Chemicals (VOC): 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, CO₂).

11. Toxicological information

Description of the various toxicological (health) effects and the available data used to identify those effects:

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact): Eye Contact, Skin Contact, Inhalation, Ingestion.

Target Organs Potentially Affected by Exposure: None known.

Symptoms related to the 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:

Acute Toxicity - Oral: Based on available data, the GHS classification criteria are not met.

Acute Toxicity - Dermal: Classification is based on toxicological information of the components in Section 3.

Acute Toxicity - Inhalation: Classification is based on toxicological information of the components in Section 3.

Skin Corrosion / Irritation: Rinse with plenty of water. 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.

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

Reproductive Toxicity: No.
Carcinogenicity: No.
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 acute toxicity estimates):

Chemical Name ORAL TOXICITY NOTES ON ORAL TOXICITY
Chemical Name DERMAL TOXICITY NOTES ON DERMAL TOXICITY
Chemical Name Not determined NOTES ON INHALATION TOXICITY

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			

12. Ecological information

Ecotoxicity (aquatic and terrestrial, where available): No information available.

Component toxicity data:

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

Persistence and degradability: No data available
Bioaccumulative potential: Readily biodegradable.(OECD Test Guideline 301D)
Mobility in soil: Unknown
Other adverse effects (such as hazardous to the ozone layer): None known.

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the Disposal should be in accordance with local, state or national legislation.

disposal of any contaminated packaging:

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
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 which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises: Consult IMO regulations before transporting in bulk by ocean.

15. Regulatory information**Safety, health and environmental regulations specific for the product in question:**

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)

Chemical Name	CAS #	Concentration (% by weight)
---------------	-------	--------------------------------

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.

Chemical Name	CAS #
---------------	-------

None reportable

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

Date of SDS preparation or last revision (mm-dd-yyyy): 03-04-2022

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

Ingredion Incorporated and the Ingredion group of companies does not 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 determination regarding 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.