



# SAFETY DATA SHEET

TICALOID 590 "T" Powder 75000691

## 1. Identification

**Product identifier used on the label:**

Product number: 75000691  
Product name: TICALOID 590 "T" Powder 75000691

**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:**

No hazard symbols required

**GHS Classification:**

Combustible Dust Category 1

**Signal Word:**

Warning

**Hazard Statements:**

May form combustible dust concentrations in air.

**Precautionary Statements:**

No Precautionary Statement needed.

**Hazards not otherwise classified:**

No data available

**% unknown toxicity (Dermal):**

37.7 % of the mixture consists of ingredients of unknown toxicity

**% unknown toxicity (Inhalation Dust):**

37.7 % of the mixture consists of ingredients of unknown toxicity

## 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 hazardous combustion products):**

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.

**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

<b>Precautions for safe handling:</b>	Take precautionary measures against static discharge. Handle in accordance with good industrial hygiene and safety procedures.
<b>Conditions for safe storage, including any incompatibilities:</b>	
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/m<sup>3</sup>.

<b>Appropriate engineering controls:</b>	Provide adequate ventilation to minimize dust concentrations. Ensure all national/local regulations are observed. Proper grounding procedures to avoid static electricity should be followed.
<b>Individual protection measures, such as personal protective equipment:</b>	
<b>Respiratory Protection:</b>	Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of dust are expected to exceed exposure limits.
<b>Eye protection:</b>	Chemical goggles or safety glasses.
<b>Skin protection:</b>	Skin protection may be required depending on product temperature.
<b>Gloves:</b>	Wear protective gloves.
<b>Other protective equipment:</b>	Not available
<b>General hygiene conditions:</b>	When using, do not eat, drink or smoke.

## 9. Physical and chemical properties

<b>Appearance (physical state, color etc.):</b>	
Physical state:	Powder
Color:	Off White

<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	Not available
<b>pH:</b>	Not available
<b>pH in (1%) Solution:</b>	Not available
<b>Melting point/freezing point:</b>	
Melting Point (°C):	Not available
Freezing point (°C):	Not available
<b>Initial boiling point and boiling range:</b>	Not available
<b>Flash Point:</b>	Not applicable
<b>Evaporation Rate:</b>	Not applicable
<b>Flammability (solid, gas):</b>	Not available
<b>Upper/lower flammability or explosive limits:</b>	
Upper flammability or explosive limits:	Not available
Lower flammability or explosive limits:	Not available
<b>Vapor pressure:</b>	Not available
<b>Vapor density:</b>	Not available
<b>Relative density:</b>	No data available
<b>Solubility(ies):</b>	Not available
<b>Partition coefficient: n-octanol/water:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	Not available
<b>Volatiles:</b>	None
<b>Volatile Organic Chemicals (VOC):</b>	Not available

## 10. Stability and reactivity

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

## 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:**

Not applicable.

**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:

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

Acute Toxicity - Inhalation:

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.

**Eye Damage / Irritation:**

No evidence of irritant effects from normal handling and use.

**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:**

No.

**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):**

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

**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),**

No information available.

where 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:** No data available

**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 of any contaminated packaging:**

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

**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.



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## 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)
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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.

Chemical Name	CAS #
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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

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