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## CRYSTAL TEX LTF

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

**1.1 Product identifier:**

Product Name: CRYSTAL TEX LTF

**Other means of identification:**

Chemical family: Carbohydrate

UFI Number:

REACH Registration Number: This product is exempt from REACH

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

Relevant identified use: food starch

Uses advised against: Not Available

**1.3 Details of the supplier of the safety data sheet:**

The relevant Ingredion EMEA Company which invoices for the Product – please see Section 16

e-mail address of competent person responsible for the SDS: Regulatory.emea@ingredion.com

**1.4 Emergency telephone number:** EMERGENCY TELEPHONE: +1 703-741-5970 / 1-800-424-9300

### SECTION 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:**

**Hazard pictograms:** No hazard symbols required

**Signal word:** No signal word needed.

**Hazard statements:** No Hazard Statement needed.

**Precautionary statements:** No Precautionary Statement needed.

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**Supplemental Hazard information (EU):** No Supplemental Hazard Information available

**ADDITIONAL INFORMATION:** Not applicable

**2.3 Other hazards:** This product can produce a nuisance dust which should be maintained below a time weighted average of 10 mg/m<sup>3</sup>.  
This substance/mixture contains no components considered to be an endocrine-disrupting substance at levels of 0.1% or higher.  
Not expected to be PBT or vPvB.

### SECTION 3: Composition/information on ingredients

**3.1 Substances:**

Not applicable

**3.2 Mixtures:**

Substance Name	Concentration (% by weight)	CAS No.	EC No. REACH Registration No.	Classification according to Regulation (EC) No 1272/2008 (CLP)	M-factor	SCL	ATE	Nanofor m Material
This product is not classified as hazardous								

For full text of H-statements, see SECTION 16.

### SECTION 4: First aid measures

**4.1 Description of first aid measures:**

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Inhalation:	This material does not present a hazard if inhaled. Remove individual to fresh air after an airborne exposure if any symptoms develop, as a precautionary measure.
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.
Self protection of the first aider:	No data available
<b>4.2 Most important symptoms and effects, both acute and delayed:</b>	Nuisance dust with a possibility of dust explosion. Contributes to effluent BOD. Not classified as dangerous.
<b>4.3 Indication of any immediate medical attention and special treatment needed:</b>	No further first aid information is available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media:

Suitable extinguishing media:	Carbon dioxide (CO <sub>2</sub> ), Dry Chemical., Foam., Water Fog.
Unsuitable extinguishing media:	None known.

#### 5.2 Special hazards arising from the substance or mixture:

	Minimum ignition temperature of dust cloud- approx. 390 C. Minimum explosive concentration- approx. 62 mg/l. Minimum energy to ignite cloud by electrical spark- approx. 0.045 joules.
Hazardous combustion products:	Thermal decomposition could produce carbon monoxide, carbon dioxide, and unidentified organic compounds.

#### 5.3 Advice for firefighters:

Do not enter fire area without proper protection including self- contained breathing apparatus and full protective equipment.

### SECTION 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:

Not available

#### 6.3 Methods and material for containment and cleaning up:

Normal precautions for "nuisance dust" should be observed. Avoid prolonged inhalation of dust. Sweep up or vacuum up and place in

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suitable container for disposal. Prohibit smoking and open flames. Avoid sparks or other sources of static electricity.

**6.4 Reference to other sections:**

See section 8 for appropriate personal protective equipment. See section 2 and 7 for additional information on hazards and precautionary measures.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling:**

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

7.1.1 Recommendations for safe handling:

Prevent handling of incompatible substance or mixtures. Take measures to prevent fire as well as aerosol and dust generation.

7.1.2 Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

**7.2 Conditions for safe storage, including any incompatibilities:**

Safe storage conditions:

Store in a clean, dry, well ventilated warehouse away from odorous materials.

Special Sensitivity:

No special sensitivity.

Static Sensitivity:

Yes

No special sensitivity.

Other precautions:

Avoid dispersing the powder in the air. Prevent build-up of powder on surfaces.

Mechanical handling of the powder on inadequately grounded equipment can result in static electrical discharges.

Materials to Avoid/Chemical Incompatibility:

None known.

**7.3 Specific end use(s):**

food starch

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

**8.1 Control parameters:**

Substance Name	Malta - Occupational Exposure Limits - TWAs	Malta - Occupational Exposure Limits - STELs
No data available		

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This product can produce a nuisance dust which should be maintained below a time weighted average of 10 mg/m<sup>3</sup>.

**DNEL:** None known

**PNEC:** None known.

### 8.2 Exposure controls:

**Appropriate engineering controls:** General.

### Individual protection measures, such as personal protective equipment:

**Eye/face protection:** Wear safety glasses. Personal eye protection should conform to EN 166.

**Skin protection:** Skin protection may be required depending on product temperature.

**Hand protection:** Gloves are recommended due to possible irritation., Gloves should conform to EN 374.

**Respiratory protection:** Use approved dust mask. Dust masks should conform to EN 149.

**Thermal hazards:** Not available

**Environmental exposure controls:** Avoid runoff into storm sewers and ditches that lead to waterways.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties:

Pure Substance or Mixture: Preparation.

Physical state: Powder.

Colour: white

**Odour and odour threshold:** Starch odour.

**pH:** Not available

**pH in (1%) Solution:** 3.5

### Melting point/freezing point:

Melting Point: Not available

Freezing point: Not available

**Boiling point or initial boiling point and boiling range:** Not available

**Flash point:** Not applicable

**Evaporation Rate:** Not applicable

**Flammability:** No

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**Upper/lower flammability or explosive limits:**

Upper flammability or explosive limits: Not available

Lower flammability or explosive limits: Not available

**Vapour pressure:** Not available**Vapour density:** Not available**Density and/or relative density:** No data available**Solubility:** Slightly soluble**Partition coefficient n-octanol/water (log value):** Not available**Auto-ignition temperature:** Not available**Decomposition temperature:** Not available**Viscosity:** Not available**Volatiles:** None**Volatile Organic Chemicals:** Not available**Kinematic viscosity:** Not available**Particle characteristics:** Not applicable**9.2 Other information:****Molecular Weight:** Not available**SECTION 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:** None known.**10.6 Hazardous decomposition products:** This product does not undergo spontaneous decomposition. Typical combustion products are carbon monoxide, carbon dioxide, nitrogen and water.**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:****Information on possible routes of** None known.

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**exposure:**

**Target Organs Potentially Affected By Exposure:** None known.

**Early onset symptoms related to exposure:** No data available

**Toxic Effects:** This product is considered as being non-toxic. Use of good industrial hygiene practices is recommended.

**Exposure levels and health effects:**

**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:** Wash skin with soap and water.

**Serious eye damage/irritation:** Based on available data, the GHS classification criteria are not met.

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

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

**Carcinogenicity:** No.

**Specific Target Organ Toxicity (STOT)-single exposure:** Based on available data, the GHS classification criteria are not met.

**Specific Target Organ Toxicity (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.

**Endocrine disrupting properties:** None of the components have endocrine disrupting properties.

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

Substance Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
There is no known toxicity data available for the components or the product.			

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### SECTION 12: Ecological information

**12.1 Toxicity:** Low, but has a BOD contribution.

**Ecological Toxicity Data:**

Substance Name	CAS No.	Aquatic LC50 Fish	Aquatic ERC50 Algae	Aquatic EC50 Crustacea
No data available				

**12.2 Persistence and degradability:** Readily biodegradable.

**12.3 Bioaccumulative potential:** Low (degrades too rapidly)

**12.4 Mobility in soil:** Unknown

**12.5 Results of PBT and vPvB assessment:** Not expected to be PBT or vPvB.

**12.6 Endocrine disrupting properties:** None known.

**12.7 Other adverse effects:** None known.

### SECTION 13: Disposal considerations

**13.1 Waste treatment methods:** Waste disposal should be in accordance with existing Community, National and local regulations.

**Empty container warnings:** Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied.

### SECTION 14: Transport Information

**14.1 UN number:** Not applicable

**14.2 UN proper shipping name:** Not Applicable

**14.3 Transport hazard class(es):** Not Applicable

**14.4 Packing group:** Not Applicable

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

**14.5. Environmental hazards:** No data available

**14.7 Maritime transport in bulk** No data available



Revision Date: 20-12-2023

This document replaces SDS dated: None

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according to IMO instruments:

**14.6 Special precautions for user:** Consult IMO regulations before transporting in bulk by ocean.**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

Substance Name	EINECS	SVHC
No data available		

**15.2 Chemical Safety Assessment:** No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.**SECTION 16: Other information****Revision Date:** 12-20-2023**Indication of changes:** None Known**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**References and sources of data:** Classification according to Regulation (EC) 1272/2008 (CLP), as amended and Regulation (EC) 1907/2006 (REACH), as amended**Hazard statements:** No Hazard Statement needed.**Classification and procedure used to derive the classification for mixtures**



# Safety Data Sheet

Prepared in accordance with Commission Regulation (EU) 2020/878

Revision Date: 20-12-2023

This document replaces SDS dated: None

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according to Regulation (EC)  
1272/2008 [CLP]:

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

**Precautionary statements:** No Precautionary Statement needed.

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