
CRYSTAL TEX LTF

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 CLP

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/m³.
 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 |
| 4.2 Most important symptoms and effects, both acute and delayed: | Nuisance dust with a possibility of dust explosion. Contributes to effluent BOD. Not classified as dangerous. |
| 4.3 Indication of any immediate medical attention and special treatment needed: | No further first aid information is available. |

SECTION 5: Firefighting measures

5.1 Extinguishing media:

| | |
|---------------------------------|---|
| Suitable extinguishing media: | Carbon dioxide (CO ₂), Dry Chemical., Foam., Water Fog. |
| Unsuitable extinguishing media: | None known. |

5.2 Special hazards arising from the substance or mixture:

| | |
|--------------------------------|--|
| Hazardous combustion products: | 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. |
| | 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 | Switzerland - Occupational Exposure Limits - TWAs | Switzerland - Occupational Exposure Limits - STELs |
|-------------------|---|--|
| No data available | | |

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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

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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



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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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