

*Safety Data Sheet***CLARIA® EVERLAST 575****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 PRODUCT IDENTIFIER**

- Chemical name Starch
- CAS number 9005-25-8

**1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE AND USES ADVISED AGAINST**

Food starch used in a variety of food, feed and industrial applications.

**1.3 DETAILS OF THE SUPPLIER**

- Company identification
  - Americas:  
Tate & Lyle Solutions USA LLC  
5450 Prairie Stone Pkwy  
Hoffman Estates, IL 60192  
USA
  - Europe:  
Tate & Lyle Slovakia s.r.o.  
Boleraz 114  
919 08 bolez  
Slovakia
  - Asia-Pacific:  
Tate & Lyle  
3 Biopolis Drive, #05-11 Synapse  
Singapore 138623

**1.4 EMERGENCY PHONE NR.**

CHEMTREC  
Toll-Free: 1-800-424-9300 (USA and Canada)  
Non Toll-Free +1-703-527-3887 (Global)

**SECTION 2: HAZARDS IDENTIFICATION****2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

According with the version of the Globally Harmonized System of Classification and labeling adopted in the United States and Regulation 1272/2008/EC [CLP]: Not classified

**2.2. LABEL ELEMENTS**

|        |          |                    |            |                   |       |
|--------|----------|--------------------|------------|-------------------|-------|
| Code : | 10400060 | Effectivity date : | 01.12.2022 | Revision :        | 02    |
|        |          | Supersedes :       | 21.05.2020 | Latest Revision : | 02    |
|        |          | Printed on :       | 03.01.2025 | Page :            | 1 / 9 |

*Safety Data Sheet***CLARIA® EVERLAST 575****SIGNAL WORD:**

Not applicable

**HAZARD STATEMENTS:**

Not applicable

**SYMBOL:**

Not applicable

**PRECAUTIONARY STATEMENTS:**

Not applicable

**2.3. OTHER HAZARDS****FIRE AND EXPLOSION HAZARD:**

May form combustible dust concentrations in air. Possibility of dust explosion. It is recommended that all dust control equipment and material transport systems involved are engineered to prevent conditions contributing to dust explosions. Do not allow dust to accumulate on flat surfaces, on rafters or building structural components. Keep away from all ignition sources including heat, sparks and flame.

**POTENTIAL ACUTE HEALTH EFFECTS FROM OCCUPATIONAL EXPOSURE:**

Inhalation: Exposure to high airborne concentrations may cause mild respiratory irritation due to drying effects of dust.

Skin contact: Sustained exposure in a dusty manufacturing environment may result in mechanical irritation in the creases of the skin, particularly at the fingers.

No health effects known or anticipated.

Eye contact: May cause slight mechanical irritation from acute exposure.

Ingestion: No effects known or anticipated.

**SECTION 3 : COMPOSITION / INFORMATION OF INGREDIENTS**

|                 |           |
|-----------------|-----------|
| - Chemical name | Starch    |
| - CAS number    | 9005-25-8 |
| - EINECS number | 232-679-6 |

**SECTION 4 : FIRST AID MEASURES****4.1 DESCRIPTION OF FIRST AID MEASURES**

|                  |                                                                           |
|------------------|---------------------------------------------------------------------------|
| - General advice | Seek medical attention if irritation develops after first aid application |
| - Inhalation     | Move people from the exposure to fresh air.                               |

|        |          |                    |            |                   |       |
|--------|----------|--------------------|------------|-------------------|-------|
| Code : | 10400060 | Effectivity date : | 01.12.2022 | Revision :        | 02    |
|        |          | Supersedes :       | 21.05.2020 | Latest Revision : | 02    |
|        |          | Printed on :       | 03.01.2025 | Page :            | 2 / 9 |

*Safety Data Sheet***CLARIA® EVERLAST 575**

- Skin contact                      Wash skin with soap and water.
- Eye contact                      Remove particulates by irrigating with eye wash solution or clean water, holding eyelids apart.
- Ingestion                         Wash mouth and flush throat upto the stomach.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED  
None Anticipated

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED.  
None Anticipated

**SECTION 5: FIRE-FIGHTING MEASURES****5.1 EXTINGUISHING MEDIA**

Water spray, dry powder, carbon dioxide or media appropriate for surrounding fire. Use of water jet may cause explosive dust conditions.

**5.2 SPECIFIC HAZARDS**

**FIRE AND EXPLOSION HAZARD:** Possibility of dust explosion. It is recommended that all dust control equipment and material transport systems involved are engineered to prevent conditions contributing to dust explosions. Do not allow dust to accumulate on flat surfaces, on rafters or building structural components. Use of water jet may cause explosive dust conditions. SEE NFPA 61, Standard for the prevention of Fire and Dust Explosions in Agricultural and Food Processing Facilities, 2008 or later Edition, and other related standards.

**5.3 SPECIFIC PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS**

Wear self-contained breathing apparatus and full protective gear. Use water spray to cool fire exposed containers.

**FLAMMABILITY CLASS (OSHA)**

Not applicable

**HAZARDOUS COMBUSTION PRODUCTS**

Carbon dioxide and carbon monoxide

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 PERSONAL PRECAUTIONS**

|        |          |                    |            |                   |       |
|--------|----------|--------------------|------------|-------------------|-------|
| Code : | 10400060 | Effectivity date : | 01.12.2022 | Revision :        | 02    |
|        |          | Supersedes :       | 21.05.2020 | Latest Revision : | 02    |
|        |          | Printed on :       | 03.01.2025 | Page :            | 3 / 9 |

*Safety Data Sheet***CLARIA® EVERLAST 575**

None under normal conditions. Avoid prolonged inhalation of dust.

**6.2 ENVIRONMENTAL PRECAUTIONS**

Prevent further leakage or spillage if safe to do so. No special environmental precautions required

**6.3 METHODS FOR CLEANING UP**

Vacuum or sweep spills. Minimize dust generation.

If washing down spilled area is necessary, use copious amounts of water and control runoff.

Follow local, state and federal regulations for product disposal

**6.4 REFERENCE TO OTHER SECTIONS**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment

See Section 13 for disposal information

**SECTION 7: HANDLING AND STORAGE****7.1 PRECAUTIONS FOR SAFE HANDLING**

See NFPA 61, Standard for the Prevention of Fire and Dust Explosions in Agricultural and Food Processing Facilities, 2008 Edition, and other related standards. Use with adequate ventilation. Minimize dust generation and accumulation; dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are disturbed.

All dust control equipment and material transport systems involved are engineered to prevent conditions contributing to dust explosions and may require explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Bonding and grounding systems may be required.

Dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) should be designed to limit or prevent leakage of dust into the work area.

Do not allow dust to accumulate on flat surfaces, on rafters or building structural components. Routine housekeeping should be instituted to reduce dust accumulation. Use Avoid dispersal of dust in the air; use vacuum or wet sweeping methods. Do not use compressed air to clean surfaces.

Keep away from all ignition sources including heat, sparks, and flame. Where dust accumulations occur use non-sparking tools.

Code : 10400060

Effectivity date : 01.12.2022

Revision : 02

Supersedes : 21.05.2020

Latest Revision : 02

Printed on : 03.01.2025

Page : 4 / 9

*Safety Data Sheet***CLARIA® EVERLAST 575****7.2 CONDITIONS OF SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Store in a cool dry place. Store in a tightly closed container/bag.

The packaging material should have reasonable moisture and air barriers and comply with food regulations.

**7.3 SPECIFIC END USE(S)**

Not applicable

**SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION****8.1 CONTROL PARAMETERS**

Exposure limits: Nuisance dust (also called particulate not otherwise regulated (PNOR)).

OSHA PEL: 15 mg/m3 Total dust

5 mg/m3 Respirable dust

ACGIH TLV: 10 mg/m3 Inhalable dust

5 mg/m3 Respirable dust

15 mg/m3 Total dust

**8.2 EXPOSURE CONTROLS****APPROPRIATE ENGINEERING CONTROLS:**

Ventilation: See NFPA 61, Standard for the Prevention of Fire and Dust Explosions in Agricultural and Food Processing Facilities, 2008 Edition, and National Fire Protection Association 650, Standard for Pneumatic Conveying Systems for Handling Combustible Materials, 1997 Edition and other related standards. Normal industrial hygiene measures should be sufficient for protection of employees from exposure to dusts. Local and mechanical exhaust is desirable when dumping bags.

**APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT:**

Eye protection: Safety glasses are recommended. Safety goggles are desirable when dumping bags.

Emergency wash facilities: Eye wash is recommended for conditions where dust generation is likely.

Special protective clothing: Not normally required.

Gloves: Not normally required. Use ordinary work gloves if dust dries skin.

Respirator: NIOSH approved N-95 dust respirator if working in situations that could generate large amounts of airborne dust.

Code : 10400060

Effectivity date : 01.12.2022

Revision : 02

Supersedes : 21.05.2020

Latest Revision : 02

Printed on : 03.01.2025

Page : 5 / 9

*Safety Data Sheet***CLARIA® EVERLAST 575**

FOR FIREFIGHTING AND OTHER IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONDITIONS:  
See section 5.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

|                             |                                           |
|-----------------------------|-------------------------------------------|
| - Physical form             | Powder                                    |
| - Color                     | White to off-white                        |
| - Odor                      | Starch-like odor                          |
| - pH (concentration)        | Data on specification sheet if available. |
| - Boiling point             | No data                                   |
| - Flash point               | No data                                   |
| - Melting/freezing point    | No data                                   |
| - Decomposition temperature | No data                                   |
| - Auto-ignition temperature | No data                                   |
| - Explosion properties      | No data                                   |
| - Oxidising properties      | No data                                   |
| - Vapour pressure           | No data                                   |
| - Vapor density             | No data                                   |
| - Relative density          | No data                                   |
| - Bulk density              | No data                                   |
| - Specific gravity          | No data                                   |
| - Viscosity                 | Data on specification sheet if available. |
| - Water solubility          | Negligible                                |
| - Solubility (non aqueous)  | No data                                   |
| - Partition coefficient     | No data                                   |
| - Dissociation constant     | No data                                   |
| - Evaporation rate          | No data                                   |

**9.2 OTHER INFORMATION****SECTION 10: STABILITY AND REACTIVITY****10.1 REACTIVITY**

Stable

**10.2 CHEMICAL STABILITY**

Stable under normal conditions.

Polymerization will not occur.

|        |          |                    |            |                   |       |
|--------|----------|--------------------|------------|-------------------|-------|
| Code : | 10400060 | Effectivity date : | 01.12.2022 | Revision :        | 02    |
|        |          | Supersedes :       | 21.05.2020 | Latest Revision : | 02    |
|        |          | Printed on :       | 03.01.2025 | Page :            | 6 / 9 |

*Safety Data Sheet***CLARIA® EVERLAST 575****10.3 POSSIBILITY OF HAZARDOUS REACTIONS**

Not applicable

**10.4 CONDITIONS TO AVOID**

Practices which produce dust or disperse finely divided dust in air.

See NFPA 61. Standard for the Prevention of Fire and Dust Explosions in Agricultural and Food Processing Facilities, 2008 Edition, and other related standards.

**10.5 INCOMPATIBLE MATERIALS**

Oxidizing agents, strong acids

**10.6 HAZARDOUS DECOMPOSITION PRODUCTS**

Nothing unusual

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

- Inhalation Exposure to high airborne concentrations may cause mild respiratory irritation due to drying effects of dust.
- Ingestion No effects known or anticipated.
- Skin irritation / corrosion Sustained exposure in a dusty manufacturing environment may result in mechanical irritation in the creases of the skin, particularly at the fingers, or other drying effects. No health effects known or anticipated.
- Eye irritation May cause slight mechanical irritation from acute exposure.
- Skin sensitisation Not sensitizing
- Chronic toxicity Not known or anticipated
- Genetic toxicity Not known or anticipated
- Carcinogenicity Not classifiable as Carcinogen.
- Reprotoxicity Not known or anticipated
- Specific effects Not applicable

**SECTION 12: ECOLOGICAL INFORMATION****12.1 TOXICITY**

Starch and its breakdown products are not known to be toxic to plant and animal life.

**12.2 PERSISTENCE/DEGRADABILITY**

Readily biodegradable

**12.3 BIOACCUMULATIVE POTENTIAL**

|        |          |                    |            |                   |       |
|--------|----------|--------------------|------------|-------------------|-------|
| Code : | 10400060 | Effectivity date : | 01.12.2022 | Revision :        | 02    |
|        |          | Supersedes :       | 21.05.2020 | Latest Revision : | 02    |
|        |          | Printed on :       | 03.01.2025 | Page :            | 7 / 9 |

*Safety Data Sheet***CLARIA® EVERLAST 575**

Starch and its breakdown products are not fat-soluble, and do not accumulate in plant or animal tissue.

**12.4 MOBILITY IN SOIL**

Not applicable

**12.5 BPT, vPvB**

The substance does not meet the criteria for PBT or vPvB.

**12.7 OTHER ADVERSE EFFECTS**

No additional information available

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 WASTE TREATMENT METHODS**

Follow local, state and federal regulations for product disposal. Not a hazardous waste unless contaminated with hazardous products.

**SECTION 14: TRANSPORTATION INFORMATION**

International regulations (RID/ADR; RTMDR; IMDG; IATA/OACI): Not classified as dangerous for transport.

DOT shipping label: Non-hazardous

**SECTION 15: REGULATORY INFORMATION****15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS**

According with the version of the Globally Harmonized System of Classification and labeling adopted in the United States and Regulation 1272/2008/EC(CLP): Not classified

**15.2 CHEMICAL SAFETY ASSESSMENT****US FEDERAL REGULATIONS:**

Clean Air Act:

ODS: Not applicable.

TSCA Status: Not applicable.

SARA (EPCRA) Section 313 (40 C.F.R. § 372.65): Not applicable.

**STATE REPORTING REQUIREMENTS:**

California Proposition 65: Not applicable.

Code : 10400060

Effectivity date : 01.12.2022

Revision : 02

Supersedes : 21.05.2020

Latest Revision : 02

Printed on : 03.01.2025

Page : 8 / 9



*Safety Data Sheet***CLARIA® EVERLAST 575****SECTION 16: OTHER INFORMATION**

See Hazard Communication Guidance for Combustible Dusts, OSHA 3371-08 2009, U.S. Occupational Safety and Health Administration, <https://www.osha.gov/Publications/3371combustible-dust.html> (accessed 10/8/14)

NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for general safe handling and design guidance.

Safety Data Sheet according to Commission Regulation (EU) No 2020/878 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

**DISCLAIMER OF LIABILITY**

The information in this SDS is collected from reliable sources. However, the information is provided without any warranty, expressed or implied. The conditions or methods of handling, storage, use or disposal of the product might be beyond our control and knowledge. For the avoidance of doubt, we shall in no such circumstances be under any liability in respect of loss, damage or expenses arising from handling, storage, use or disposal of the product by your company and/or your subcontractors. This SDS is only applicable for the product mentioned in the identification chapter and title. If the product is used as a component in another product, this SDS may not be applicable on the composite material.

Code : 10400060

Effectivity date : 01.12.2022

Revision : 02

Supersedes : 21.05.2020

Latest Revision : 02

Printed on : 03.01.2025

Page : 9 / 9