# TATE 🔀 LYLE

# Product Information Sheet Malic Acid, FCC - Granular 300000000195

Contents:

- 1. Supplier Information
- 2. Emergency Contacts
- 3. Product Information
- 4. Regulatory Status
- 5. Ingredient Statement
- 6. Quality Documents
- 7. Kosher/Halal Status
- 8. Allergen Status
- 9. Sulfur Dioxide and Sulfite Level
- 10. Gluten Status
- 11. GMO Status
- 12. Irradiation, ETO and Sewage Sludge
- 13. Organic Statement
- 14. Diet Suitability
- 15. Bovine Spongiform Encephalopathies (BSE) /Transmissible Spongiform Encephalopathies (TSE)
- 16. Sudan I IV Dyes Content
- 17. Country of Origin
- 18. Shelf Life
- 19. Storage Conditions
- 20. Lot Code Explanation
- 21. Certificate of Analysis
- 22. current Good Manufacturing Practices (cGMP)
- 23. Guarantee (Continuing)
- 24. HACCP/Flowchart
- 25. Audit Information
- 26. Emergency/Recall Procedures
- 27. Bioterrorism
- 28. Pest Control
- 29. Pesticides
- 30. Proposition 65



## 1. Supplier Information

Name: Address:	Tate & Lyle 2200 E Eldorado Decatur, IL 62525
Main Phone:	USA 1-217-423-4411
Main Fax:	1-217-421-2628
E-mail:	orders@tateandlyle.com

## 2. Emergency Contacts

Normal Business Hours: 1-800-526-5728 After Hours Emergency: 1-217-972-2230 Fax: 1-217-421-2628

### 3. Product Information

Common Name: Material Number: Specification Number: CAS Number: EINECS Number: European Food Additive Number:	Malic Acid 28000007 300000000195 6915-15-7 230-022-8 E296
21 CFR References:	21CFR184.1069
Food Grade: Appearance: Color: Odor:	Yes Powder White None

## 4. Regulatory Status



• Complies with FDA Regulation 21CFR.184.1069

## 5. Ingredient Statement

Malic Acid

## 6. Quality Documents

Quality documents (Specification, Technical Data Sheet, MSDS & Nutritional) available upon Request.

## 7. Kosher/Halal Status

Certified Kosher: Yes Certified Kosher for Passover: Yes

The above-mentioned ingredient or its components is certified Kosher by:

• Orthodox Union (OU)

Certified Halal: Yes

### 8. Allergen Status

If present in this Tate & Lyle ingredient, allergens will be denoted as "Present" in the table below:

Allergen

Absent

Status

Meaning of Present/Absent/Present-Exempt

Present - Intentionally added during the production process.

Absent - Not intentionally added during the production process.

Present-Exempt - Intentionally added during the production process, however have been given exemption from being required to be labeled on the final package.

# TATE 🔀 LYLE

# Product Information Sheet Malic Acid, FCC - Granular 300000000195

The above list of allergens is in accordance with all applicable EU and US legal requirements.

Additional allergen information:

- Although all reasonable care has been taken in managing allergen risk, the above statement should not be considered as a guarantee or claim of "free of...".
- The above-mentioned ingredient does not originate from substances having allergenic properties for which labeling is required as defined in the Food Allergen Labeling and Consumer Protection Act of 2004 (Public Law 108-282, Title II). Specific allergens listed in this Act are milk, eggs, fish (e.g., bass, flounder, cod), Crustacean shellfish (e.g., crab, lobster, shrimp), tree nuts (e.g., almonds, walnuts, pecans), peanuts, wheat, and soybeans.

## 9. Sulfur Dioxide and Sulfite Level

The sulfur dioxide and sulfite level for above-mentioned ingredient or its components is:

Package Bag, Super Sack Sulfur Dioxide and Sulfite Level

## **10. Gluten Status**

This product is not either originating from gluten containing cereals or not identified as containing gluten and complies with the applicable EU and US legal requirements based on real-time PCR gluten test methodology. It can be safely used in foodstuffs for people intolerant to gluten.

## 11.GMO Statement

Malic Acid and Fumaric Acid are manufactured using Maleic Anhydride as the starting material. Maleic Anhydride is a by-product of the petrochemical industry. As this is a completely synthetic process, GMO concerns are not applicable to either Malic or Fumaric Acid.

Tate & Lyle certifies that the above mentioned product is produced from non GMO sources therefore it is not considered to be genetically modified organisms under EC regulations 1829 and 1830/2003.

Malic Acid, FCC - Granular Product Information Sheet



## 12. Irradiation, ETO and Sewage Sludge

The above-mentioned ingredient or its components have not been produced and handled with the use of:

- 1. treatment with ionizing radiation
- 2. exposure to ethylene oxide
- 3. sewage or sludge.

### **13. Organic Statement**

• Products manufactured at this Tate & Lyle facility are not designated as Organic.

### 14. Diet Suitability

Vegetarian: Suitable Vegan: Suitable Ovo-Vegetarian: Suitable Lacto-Vegetarian: Suitable Lacto-Ovo-Vegetarian: Suitable

## 15. Bovine Spongiform Encephalopathies (BSE) /Transmissible Spongiform Encephalopathies (TSE)

1. This ingredient does not contain ingredients of animal origin.

2. If processing aids are contained in this ingredient, the processing aids are not derived from animal origins.

3. Prior to the manufacture of this ingredient, no ingredients of animal origin are present in equipment.

## 16. Sudan I – IV Dyes Content

• The above-mentioned ingredient or its components do not contain Sudan azo dyes (this includes Sudan I, Sudan II, Sudan III and Sudan IV, which is also known as scarlet red).



## 17. Country of Origin

The above-mentioned ingredient or its components is manufactured in the following country: United States

### 18. Shelf Life

The expected shelf life for the ingredient based on being stored under the proper storage conditions:

Package Bag, Super Sack Shelf Life 1,825 Days

### **19. Transportation Information/Storage Conditions**

#### Storage Conditions

**Container** 

<u>Storage</u> Temperature <u>Storage conditions to achieve maximum</u> <u>shelf life</u> Store at ambient temperature and humidity.

Bag, Super Sack

### 20. Lot Code Explanation

Batch Numbering Scheme:

PACKED PRODUCTS

PPYYM9NNNN

PP - Plant ID YY - Last two digits of the year (2012) M - Month (A, B, C, D, E, F, G, H, I, J, K, L for Jan - Dec) 9NNNN - Plant related sequential number

Example: KO12G91130

Malic Acid, FCC - Granular Product Information Sheet



KO - Plant ID for Tate & Lyle Netherlands 12 - Last two digits of the year (2012) G - Month, July 91130 - Plant related sequential number

**BULK DELIVERIES** 

PPYYMNNNNN

PP - Plant ID YY - Last two digits of the year (2012) M - Month (A, B, C, D, E, F, G, H, I, J, K, L for Jan - Dec) NNNNN - Plant related sequential number

Example: KO12G00001

## 21. Certificate of Analysis

• Certificates of Analysis are available by request.

## 22. current Good Manufacturing Practices (cGMP)

The process used for the production of this product is operated based on Tate & Lyle's procedures, quality guidelines, HACCP programs and Good Manufacturing Practices. This operation complies with the FDA Good Manufacturing Practices detailed in 21 CFR 110 for Food Manufactures, and those referenced in the European Commission Regulation (EC) No. 852/2004 on hygiene of foodstuff.

### 23. Guarantee (Continuing)

• Available upon request.

## 24. HACCP/Flowchart



• Available upon request.

## 25. Audit Information

• Third Party audits are performed annually at Tate & Lyle locations. Information available upon request.

## 26. Emergency/Recall Procedures

• Please be assured that Tate & Lyle has a written Recall Procedure. In the event of an actual recall, Tate & Lyle will notify all customers who have receive affected product. Mock Recalls are conducted at least annually.

## 27. Bioterrorism

 Tate and Lyle is in compliance with 21 CFR Part 1-Registration of Food Facilities, and Maintenance and Inspection of Records for Foods, under Public Health Security and Bioterrorism Preparedness and Response Act of 2002. Due to concerns with security, our legal department limits giving out the plant number unless there is an imperative border crossing issue.

### 28. Pest Control

• Tate & Lyle employs outside contractors to provide routine pest control service.

## 29. Pesticides

• Tate & Lyle has an ongoing pesticide monitoring program.

### 30. Proposition 65

• The State of California enacted the Safe Drinking Water and Toxic Enforcement Act of 1986 ("Proposition 65"), which "prohibits any person in the course of doing business from knowingly and intentionally exposing any individual to a chemical known to the State of California to cause cancer or reproductive toxicity without first giving clear and

Malic Acid, FCC - Granular Product Information Sheet



reasonable warning to such individuals." In our effort to satisfy the requirements of this law, independent laboratory analyses were obtained for those products which we manufacture or formulate for sale to you. The results of this analysis confirmed that there are no chemicals regulated under Proposition 65, other than naturally occurring chemicals, detectable in our products using standard analytical methods.