Bay House INGREDIENTS

SAFETY DATA SHEET

EC Regulation No.1907/2006 (REACH) & 1272/2008 (CLP)

THIS PRODUCT IS FOR EXTERNAL USE ONLY- DO NOT INGEST

1. IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY

Product identifier

Commercial Name: CITRIC ACID GRANULES
INCI Name: CITRIC ACID
CAS No: 5949-29-1
EINECS No: 201-069-1
TSCA CAS No: 77-92-9
REACH No: 01-2119457026-42-0000
Chemical Name: 2-Hydroxy-1,2,3-propanetricarboxylic acid
Ph. Eur. Name: *Acidum citricum*
Origin: China

Relevant identified uses of the substance or mixture and uses advised against

Identified use (s): A antioxidant, pH-control agent, plasticizer and detergent in chemical, cosmetics and cleaning industries.
For manufacturing purposes only.

Details of the supplier of the safety data sheet

Company Name: BAY HOUSE INGREDIENTS
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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification according to Regulation (EC) No. 1272/2008 (CLP)

Symbols:



Signal word: WARNING

Hazard Class	Abbreviation	Hazard Category	Hazard Code	Hazard Statement
Eye Damage/Irritation	EDI	2A	H319	Causes serious eye irritation

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UN Global Harmonised System Precautionary Statements (CLP)

	Prevention Statements
P264	Wash hands thoroughly after handling
P280	Wear protective gloves/clothing, eye/face protection



	Response Statements
P305	IF IN EYES: Rinse cautiously with water for several minutes.
P351/338	Remove contact lenses if present and easy to do. Continue rinsing.
P337/313	If eye irritation persists: get medical advice/attention

	Storage and Disposal Statements
P403/235	Store in a well ventilated place. Keep col
P405	Store locked up
P501	Dispose of contents and container in accordance with international regulation

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3. COMPOSITION/INFORMATION ON CONSTITUENTS

Nature Of Product: CITRIC ACID GRANULES (2-Hydroxy-1,2,3-propanetricarboxylic acid)

Citric acid is a natural occurring fruit acid, produced commercially by microbial fermentation of a carbohydrate substrate. Citric acid is the most widely used organic acid and pH-control agent in foods, beverages, pharmaceuticals and technical applications.

EINECS No: 201-069-1 **CAS No:** 5949-29-1 **TSCA CAS No:** 77-92-9
FEMA: - **FDA: -** **HC (%):**

COMPOSITION/ QUALITY STANDARDS
Oxalic acid / oxalate max. 50 mg/kg
Sulphate max. 50 mg/kg
Heavy metals max. 5 mg/kg
Arsenic max. 0.1 mg/kg
Lead max. 0.1 mg/kg
Mercury max. 0.1 mg/kg
Chloride max. 5 mg/kg

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Allergen Constituents Information: **None**
7th Amendment Cosmetic Directive 76/768/EEC

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting, give a glass of water. Seek urgent medical attention and show this information.

Inhalation: Remove casualty to fresh air, keep respiratory passages clear and seek urgent medical attention.

Eye contact: Irrigate with sterile water or saline for at least 15 minutes. Seek urgent medical attention if irritation persists or tissue damage is apparent.

Skin contact: Remove contaminated clothing wash thoroughly with soap and water and rinse. If causes irritation after prolonged contact, if so seek medical advice.

5. FIRE-FIGHTING MEASURES

Extinguisher: Use CO2, Foam or Powder extinguishers only.
DO NOT USE WATER JETS.

Smoke/Fumes: Avoid inhalation of smoke or fumes, may produce CO (carbon monoxide) and CO2 (carbon dioxide).

6. ACCIDENTAL RELEASE MEASURES

Personal Safety Precautions: Avoid contact with skin and eyes. Wear safety gloves, clothing and glasses.
(Consult sections 7 & 8 for additional information)

Environmental Safety Precautions: Eliminate all sources of ignition.
Prevent any material entering drains or waterways
Absorb spills into an inert absorbent material (e.g. proprietary oil drying granules or sand NOT sawdust or other flammable materials.)
Wash area clean with water and detergent.
Transfer all waste to an approved waste disposal container, observing national legislation.

7. HANDLING AND STORAGE

Handling Precautions: Only use in a well ventilated area. Observe good housekeeping procedures when handling the product. Do not eat, drink or smoke.

Storage Precautions: Product is stable at room temperature.
Keep away from sources of ignition.
Citric acid anhydrous may be stored for at least 3 years in original or tightly closed containers. Prolonged storage at temperatures higher than 30°C and/or humidity higher than 70% should be avoided in order to prevent caking.
Prevent access by unauthorised personnel.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Ensure adequate ventilation.
If ventilation is insufficient use approved respirators.

Skin/Hand Protection: Wear personal protective equipment. Use chemical resistant safety gloves.
Polyvinyl alcohol or nitrile rubber gloves are recommended.

Eye/Face Protection: Wear safety glasses/visors. Ensure eye washes are available.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colourless crystals/granules
Odour:	Odourless
Melting Point:	~153ºC
pH:	pH (diluted solution): 1.7 - 2.0 (100 g/l) @ 25°C
Specific Gravity @ 20ºC:	1.665
Bulk Density @ 20ºC:	Bulk density 400 - 1300 kg/m³
Solubility in water:	576 - 1330 g/l water @ 20°C

10. STABILITY AND REACTIVITY

Thermal stability: Product is stable at room temperature.
Keep away from any source of ignition.
Decomposition may release carbon dioxide, carbon monoxide and other organic compound fumes.

Hazardous reactions: Avoid strong oxidisers, acids and alkalis.

11. TOXICOLOGICAL INFORMATION

Oral LD50: 5040mg/Kg **This product is NOT intended for oral use.**

Dermal LD50: > 2000 mg/kg, Dermal, Rat

LD50 dosage levels are only a guideline obtained from historical data, Bay House Ingredients does not test its products on animals.

12. ECOLOGICAL INFORMATION

Ecological effects:

Acute toxicity - fish LC_{50}, 48 hours: 440 mg/l, Leuciscus idus (Golden orfe)
Acute toxicity - aquatic invertebrates EC_{50}, 24 hours: 1535 mg/l, Daphnia magna
Acute toxicity - aquatic plants EC_{50}, 168 hours: 425 mg/l, Algae
Acute toxicity -microorganisms EC_{50}, 16 hours: >10000 mg/l,

Care must be used to prevent the product contaminating rivers, waterways or drains. Should this happen alert the relevant authorities in accordance with statutory procedures

13. DISPOSAL CONSIDERATIONS

Waste disposal: Do not pour into drains or waterways.
Comply with local and national regulations for waste disposal.
Empty containers should be washed thoroughly with detergent before being sent for disposal. Washings should be disposed of as waste.

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14. TRANSPORT INFORMATION

Transport this product in compliance with and provision of, the ADR/RID for Road and Rail, IMDG for Sea and ICAO/IATA for Air transportation.

UN Shipping Name (N.O.S.):	NOT CLASSIFIED
ADR/RID (Road/Rail):	Not Classified
IMDG/IMO (Sea):	Not Classified
ICAO/IATA (Air):	Not Classified
UN Number:	Not Classified
Packing Group:	Not Classified
Subsidiary Risk:	
Packing Instructions:	Not environmentally hazardous. Transport in asuitable container.

Labelling according to ADR/RID, IMDG/IMO and ICAO/IATA:

UN Shipping Name: NOT CLASSIFIED

15. REGULATORY INFORMATION

Product Classification: CITRIC ACID

This product is labelled according to the criteria of Directive CLP 1272/2008/EC.

Classification:



WARNING

Hazard Categories:

EDI 2A Causes serious eye irritation

16. ADDITIONAL INFORMATION

Legal disclaimer:

The information given on this material health and safety sheet is not a warranty as to the performance or suitability of the product. The information must be regarded only as a description of the health, safety and environmental requirements for that product. The information contained herein is true and accurate to the best of our knowledge and belief, but does not claim to be all inclusive. Bay House Ingredients is a Division of Aroma Trading Ltd, Registered No. 2698381, V.A.T. Registration No. 600 516 981 and as such, shall not be held liable for any damage resulting from handling or from contact with the product, since the conditions of use are out of our control. It is the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

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