

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

1.1 Product identifier

Commercial Name: CITRIC ACID POWDER
INCI Name: CITRIC ACID ANHYDROUS
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: Austria

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

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

1.3 Details of the supplier of the safety data sheet

Company Name: AROMA TRADING LIMITED
Contact: JOHN BLACK
Address: Unit 3 Quatro Park, Tanners Drive, Milton Keynes MK14 5FJ ENGLAND
Telephone : ☎ + 44 (0) 1908 334100
Fax: ☎ + 44 (0) 1908 211376
Email : ✉ johnblack@aromatrading.com
Emergency Tel. No.: ☎ + 44 (0) 1908 334100

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

Hazard Class	Abbreviation	Hazard Category	Hazard Code	Hazard Statement
Eye Damage/Irritation	EDI	2A	H319	Causes serious eye irritation
Acute Toxicity Inhalation	ATI	3	H335	May cause respiratory irritation

2.2 Label elements

Symbols:



Signal word: WARNING

UN Global Harmonised System Precautionary Statements (CLP)

	Prevention Statements
P280	Wear protective gloves/clothing, eye/face protection
P264	Wash hands thoroughly after handling
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment



	Response Statements
P303/361	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P321/363	Protective clothing should be washed before reuse
P331	Do NOT induce vomiting.
P332/313	If skin irritation occurs: Get medical advice/attention
P362	Take off contaminated clothing and wash before reuse.
P353	Rinse skin with water/shower.
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
P370/378	In case of fire: Use carbon dioxide, foam or dry powder for extinction.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P391	Collect spillage

	Storage and Disposal Statements
P403	Store in a well ventilated place.
P235	Keep cool
P501	Dispose of contents and container in accordance with international regulation

3. COMPOSITION/INFORMATION ON CONSTITUENTS

3.1 Nature Of Product CITRIC ACID POWDER (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
FEMA: -

CAS No: 5949-29-1
FDA: -

TSCA CAS No: 77-92-9
HC (%):

3.2 Constituents

These indicative levels should be taken into account when determining the compliance of EU restrictions

COMPOSITION
Oxalic acid / oxalate max. 100 mg/kg
Sulphate max. 100 mg/kg
Heavy metals max. 5 mg/kg
Arsenic max. 1 mg/kg
Lead max. 0.5 mg/kg
Mercury max. 0.5 mg/kg
Calcium max. 30 mg/kg
Iron max. 3 mg/kg
Chloride max. 5 mg/kg

4. FIRST AID MEASURES

4.1 Description of 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

- 5.1 Extinguisher** Use CO₂, Foam or Powder extinguishers only.
DO NOT USE WATER JETS.
- 5.2 Special hazards** Avoid inhalation of smoke or fumes, may produce CO (carbon monoxide) and CO₂ (carbon dioxide).

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal Safety Precautions** Avoid contact with skin and eyes. Wear safety gloves, clothing and glasses.
(Consult sections 7 & 8 for additional information)
- 6.2 Environmental Safety Precautions** Eliminate all sources of ignition.
Prevent any material entering drains or waterways
- 6.2 Methods and materials for containment and clean up** 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

- 7.1 Handling Precautions** Only use in a well ventilated area. Observe good housekeeping procedures when handling the product. Do not eat, drink or smoke.
- 7.2 Storage Precautions** Product is stable at room temperature.
Keep away from sources of ignition.
Store in tightly sealed containers, in a cool dry place away from direct sunlight.
Prevent access by unauthorised personnel.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

- Ingredient comments:** No exposure limits known

8.2 Exposure controls

- 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:	Crystalline powder
Colour:	Colourless
Odour:	Odourless
Odour threshold:	No information available
pH:	pH (diluted solution): 1.8 (50 g/l) @ 25°C
Melting point:	~153°C
Initial boiling point and range:	No information available
Flash point:	No information available
Evaporation rate:	No information available
Evaporation factor:	No information available
Flammability (solid, gas):	No information available
Upper flammability or explosive limits:	No information available
Lower flammability or explosive limits:	No information available
Other flammability:	
Vapour pressure:	No information available
Vapour density:	No information available
Specific Gravity @ 20°C:	1.665
Bulk density:	Bulk density 400 - 1300 kg/m ³
Solubility(ies)@ 20°C :	Water soluble at approx. 576 - 1330 g/l water @ 20°C
Partition coefficient:	No information available
Auto-ignition temperature:	No information available
Decomposition Temperature:	No information available
Viscosity:	No information available
Explosive properties:	No information available
Explosive under influence of a flame:	No information available
Oxidising properties:	No information available

9.2. Other information

Refractive index@ 20°C:	No information available.
Particle size:	Non Nano

10. STABILITY AND REACTIVITY

10.1. Reactivity	There are no known reactivity hazards associated with this product.
10.2. Chemical stability	Stable at normal ambient temperatures and when used as recommended.
10.3. Possibility of hazardous reactions	Will not polymerise.
10.4. Conditions to avoid	Keep away from any source of ignition.
10.5. Incompatible materials	Avoid strong oxidisers, acids and alkalis.
10.6. Hazardous decomposition products	Decomposition may release carbon dioxide, carbon monoxide and other organic compound fumes.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Oral LD50: 5040mg/Kg

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

This product is NOT intended for oral use.

LD50 dosage levels are only a guideline obtained from historical data, Aroma Trading Limited does not test its products on animals.

Skin corrosion/irritation:

No information available

Serious eye damage/irritation:

Causes serious eye irritation

Respiratory sensitisation:

May cause respiratory irritation

Skin sensitisation:

No information available

Germ cell mutagenicity:

No information available

Carcinogenicity:

No information available

11.2 Information on other hazards

Specific target organ toxicity (single exposure): May cause respiratory irritation.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity:

Acute toxicity - fish LC₅₀, 48 hours: 440 mg/l, *Leuciscus idus* (Golden orfe)
Acute toxicity - aquatic invertebrates EC₅₀, 24 hours: 1535 mg/l, *Daphnia magna*
Acute toxicity - aquatic plants EC₅₀, 168 hours: 425 mg/l, Algae
Acute toxicity -microorganisms EC₅₀, 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

12.2 Persistence and degradability

No information available

12.3 Bioaccumulative potential

Readily biodegradable.

12.4 Mobility in soil

No information available

12.5 Results of PBT and vPvB assessment

No information available

12.6 Endocrine disrupting properties

No information available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not pour into drains or waterways.
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

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.

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.): NON HAZARDOUS
ADR/RID (Road/Rail): Not restricted
IMDG-CODE (Sea): Not listed
ICAO/IATA (Air): Not regulated
UN Number:
Packing Group:
Subsidiary Risk:
Packing Instructions: Non-hazardous substance, transport in suitable container.

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

UN Shipping Name: NON HAZARDOUS

15. REGULATORY INFORMATION

Product Classification: CITRIC ACID ANHYDROUS.

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

Classification:



WARNING

Hazard Categories:

ATI 3 May cause respiratory irritation
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®, Bay House Aromatics® & Soapmakers Store are Divisions Aroma Trading Ltd, Registered No. 02698381, V.A.T. Registration No. 600 516 981 and 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.