

SAFETY DATA SHEET Citric Acid

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME Citric Acid
CAS-No. 5949-29-1
EC No. 201-069-1
SUPPLIER Univar

Aquarius House

6 Midpoint Business Park

Thornbury Bradford BD3 7AY

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SYNONYMS, TRADE NAMES Citric Acid Monohydrate, , 2-Hydroxy-, 1, 2, 3, Propane Tricarboxylic Acid,

Emergency Contact Number

(Office Hours)

+44 1274 267346

SDS No. 20376

2 HAZARDS IDENTIFICATION

CLASSIFICATION (67/548) Xi;R36.

CLASSIFICATION (EC 1272/2008)

Physical Not classified.

Health Eye Irrit. 2 - H319

Environmental Not classified.

LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008



SIGNAL WORD Warning

HAZARD STATEMENTS

H319 Causes serious eye irritation.

PRECAUTIONARY STATEMENTS

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

3 COMPOSITION/INFORMATION ON INGREDIENTS

EC No. 201-069-1 **CAS-No.** 5949-29-1

4 FIRST-AID MEASURES

Citric Acid

INHALATION

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

INGESTION

Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues.

SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS

Avoid generation and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry and cool place. Keep in original container.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT







ENGINEERING MEASURES

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.

RESPIRATORY EQUIPMENT

No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds 10 mg/m3.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

EYE PROTECTION

Wear dust resistant safety goggles where there is danger of eye contact.

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OTHER PROTECTION

Wear rubber apron. Wear rubber footwear.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Powder, dust
COLOUR Colourless or White

SOLUBILITY Soluble in water. Soluble in: Alcohol

 MELTING POINT (°C)
 135 - 152°C
 RELATIVE DENSITY
 1.542 g/ml

 pH-VALUE, DILUTED
 1.85 @ 5%
 AUTO IGNITION
 345°C

SOLUTION TEMPERATURE (°C)

SOLUBILITY VALUE (g/100g 67.6

H2O@20°C)

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time.

MATERIALS TO AVOID

Strong oxidising substances. Strong alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Carbon dioxide (CO2). Carbon monoxide (CO).

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 11700 mg/kg (oral rat)

INHALATION

Dust in high concentrations may irritate the respiratory system.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

Powder may irritate skin.

EYE CONTACT

Irritating to eyes.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

LC 50, 96 Hrs, FISH mg/l 440 - 706

MOBILITY

The product is soluble in water.

DEGRADABILITY

The product is biodegradable.

COD 665 mgO2/g

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

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DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

ROAD TRANSPORT NOTES Not Classified
RAIL TRANSPORT NOTES Not classified.
SEA TRANSPORT NOTES Not classified.
AIR TRANSPORT NOTES Not classified.

15 REGULATORY INFORMATION

EU DIRECTIVES

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

CHIP for everyone HSG(108).

16 OTHER INFORMATION

REVISION COMMENTS

NOTE: Lines within the margin indicate significant changes from the previous revision.

REVISION DATE 10.08.2010

REV. NO./REPL. SDS 01

GENERATED

SDS NO. 20376

SAFETY DATA SHEET STATUS

Approved.

DATE 10.08.2010
SIGNATURE Jitendra Panchal