

CITRIC ACID MONOHYDRATE

Page: 1

Compilation date: 22/10/2020

Revision No: 1

# Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name: CITRIC ACID MONOHYDRATE

CAS number: 5949-29-1

Synonyms: 2-HYDROXYPROPANE-1,2,3-TRICARBOXYLIC ACID

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

### 1.3. Details of the supplier of the safety data sheet

Company name: Philip Harris Ltd

2 Gregory Street

Hyde

Cheshire

SK14 4HR

United Kingdom

**Tel:** +44 (0)845 1200 506 **Fax:** +44 (0)161 367 2140

Email: enquiries@philipharris.co.uk

rax. +44 (0)101 307 2140

## 1.4. Emergency telephone number

Emergency tel: +44 (0) 845 1200 506

#### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

### Classification according to Regulation (EC) No 1272/2008

Eye irriatation (Category 2), H319

### 2.2. Label elements

# Labelling according Regulation (EC) No 1272/2008:

Pictogram

>

Dange

Signal word

Hazard statement(s)

H319:

Causes serious eye irritation

Precautionary statement(s)

P305+P351+P338 IF IN EYES: Rinse with water for several minutes. Remove contact lenses, if present and easy to

do so. Continue rinising.

CITRIC ACID MONOHYDRATE

Page: 2

P309: IF exposed or if you feel unwell:

P310: Immediately call a POISON CENTER or doctor.

#### 2.3. Other hazards

PBT: This product is not identified as a PBT substance.

#### Section 3: Composition/information on ingredients

#### 3.1. Substances

Chemical identity: CITRIC ACID MONOHYDRATE

Contains: Molecular Formula: C6H<sub>8</sub>O<sub>7</sub>.H<sub>2</sub>O

Molecular Weight: 210.14 g/mol

#### Section 4: First aid measures

#### 4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Remove all contaminated clothes and

footwear immediately unless stuck to skin. Consult a doctor.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist

examination.

Ingestion: Immediately call the POISON CENTRE or a doctor. Do not induce vomiting. Rinse mouth

with water. Give nothing to eat or drink.

Inhalation: Immediately call the POISON CENTRE or a doctor. Move to fresh air in case of

accidental inhalation of vapours. If unconscious, check for breathing and apply artificial

respiration if necessary.

## 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** May be harmful if absorbed through skin. May cause skin irritation.

**Eye contact:** There may be irritation and redness.

Ingestion: May be harmful if swallowed.

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

**Delayed / immediate effects:** No data available.

# 4.3. Indication of any immediate medical attention and special treatment needed

## Section 5: Fire-fighting measures

# 5.1. Extinguishing media

Extinguishing media: The product itself does not burn. Co-ordinate fire-fighting measures to the fire

surroundings.

# 5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion

emits toxic fumes of sulphur oxides.

# CITRIC ACID MONOHYDRATE

Page: 3

## 5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus.

#### Section 6: Accidental release measures

# 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid generation of dust. Do not breathe dust. Provide adequate ventilation. Use

personal protection equipment.

## 6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

#### 6.3. Methods and material for containment and cleaning up

Clean-up procedures: Spilled product must never be returned to the original container for recycling. Soak up

inert absorbent and dispose as waste requiring special attaention. Collect in closed and

suitable containers for disposal.

#### 6.4. Reference to other sections

## Section 7: Handling and storage

#### 7.1. Precautions for safe handling

Handling requirements: If handled uncovered, arrangements with local exhaust ventilation have to be used. If

local exhaust ventilation is not possible or not sufficient, the entire working area must be

ventillated by technical means. Handle under (Gas): Protective gas, dry.

## 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Storage temperature 15-25°C Keep container tightly closed. Store in cool, well ventilated

area.

#### 7.3. Specific end use(s)

### Section 8: Exposure controls/personal protection

#### 8.1. Control parameters

Workplace exposure limits: No data available.

## 8.1. DNEL/PNEC Values

DNEL / PNEC No data available.

#### 8.2. Exposure controls

Engineering measures: Technical measures and the application of suitable work processes have priority over

personal protection equipment. If handled uncovered use local exhaust ventilation.

Respiratory protection: Respiration protection necessary at aerosol or mist formation. Fltering half face mask

(DIN EN 149)

Hand protection: Protective gloves. Use nitrile rubber gloves with a breakthrough time of 480 minutes. For

## CITRIC ACID MONOHYDRATE

Page: 4

immersion protection thickness of glove minimum 0.38mm. For splash protection

thickness of gloves minimum 0.12mm.

**Eye protection:** Safety glasses with side-shields.

Skin protection: Protective clothing. Wash hands before breaks and after work. When using do not eat,

drink or smoke. Avoid contact with skin and eyes.

## Section 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

State: Solid Colour: White

Odour: No data available

Evaporation rate: No data available

Oxidising: No data available

Solubility in water: No data available

Also soluble in: No data available.

Viscosity: No data available

Viscosity test method: No data available.

Boiling point/range°C: No data available Melting point/range°C: No data available

Part.coeff. n-octanol/water: No data available Autoflammability°C: No data available

Vapour pressure: 0.1hPa Relative density: No data available

# 9.2. Other information

Other information: No data available.

## Section 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity: No data available.

### 10.2. Chemical stability

Chemical stability: No data available.

# 10.3. Possibility of hazardous reactions

Hazardous reactions: No data available.

### 10.4. Conditions to avoid

Conditions to avoid: No data available

# 10.5. Incompatible materials

Materials to avoid: No data available.

## 10.6. Hazardous decomposition products

Haz. decomp. products: No data available.

#### **SAFETY DATA SHEET CITRIC**

## ACID MONOHYDRATE

Page: 5

#### **Section 11: Toxicological information**

## 11.1. Information on toxicological effects

## **Toxicity values:**

Route	Species	Test	Value	Units
ORL	MUS	LD50	5040	mg/kg
ORL	RAT	LD50	3	gm/kg
SCU	RAT	LD50	5500	mg/kg

#### Relevant hazards for substance:

Hazard	Route	Basis	
Serious eye damage/irritation	OPT	Based on test data	

# Symptoms / routes of exposure

**Skin contact:** May be harmful if absorbed through skin. May cause skin irritation.

**Eye contact:** There may be irritation and redness.

Ingestion: May be harmful if swallowed.

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

Delayed / immediate effects: No data available.

# Section 12: Ecological information

#### 12.1. Toxicity

Ecotoxicity values: No data available.

# 12.2. Persistence and degradability

Persistence and degradability: No data available.

# 12.3. Bioaccumulative potential

Bioaccumulative potential: Partition coefficient: n-octanol/water -1.72 at 20°C

# 12.4. Mobility in soil

Mobility: No data available.

# 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT substance.

### 12.6. Other adverse effects

Other adverse effects: No data available.

## Section 13: Disposal considerations

#### 13.1. Waste treatment methods

Disposal operations: Dispose according to legislation. Consult the appropriate local waste disposal expert

about waste disposal.

## **SAFETY DATA SHEET CITRIC**

## ACID MONOHYDRATE

Page: 6

Waste code number: 06 01 06

NB: The user's attention is drawn to the possible existence of regional or national

regulations regarding disposal.

# **Section 14: Transport information**

Transport class: This product does not require a classification for transport.

# Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

## 15.2. Chemical Safety Assessment

#### **Section 16: Other information**

#### Other information

Phrases used in s.2 and 3: H318: Causes serious eye damage.

R41: Risk of serious damage to eyes.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive

and shall be used only as a guide. This company shall not be held liable for any

damage resulting from handling or from contact with the above product.