

# SAFETY DATA SHEET

according to Regulation (EG) no 1907/2006  
 Generic EU MSDS – No country specific data  
 REVISION DATE: 2014-05-09

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name: Citric Acid Monohydrate  
 Article number: 16-0006

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

Identified uses: Laboratory chemical; manufacture of substances

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

Company: Medicago AB  
 Danmark Berga 13  
 755 98 Uppsala  
 Telephone: +46 (0)18 56 11 80  
 Facsimile: +46 (0)18 56 11 88  
 E-mail address: info@medicago.se

### 1.4 Emergency telephone number

Emergency telephone number: Giftinformationscentralen 112

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

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

Classified: Eye Irritation (Cat. 2) H319

### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)



Signal word: Warning  
 Hazard statement(s): H319 Causes serious eye irritation

Precautionary statement(s): P305+351+338 IF IN THE EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy-to-do; continue rinsing.

Complementary hazard information  
 No further information

### 2.3 Other hazards

No further information

## 3. Composition/information on ingredients

### 3.1 Substances

Substance	CAS-no.	EC-no.	Index-no.	Weight %	Classification according to constitution (EG) no 1272/2008 (CLP)
Citric Acid Monohydrate	5949-29-1	201-069-1	-	≤ 100 %	Eye Irrit., H319

For the full text of the H-Statements in this section, see Section 16.

## 4. First aid measures

### 4.1 Description of first aid measures

If swallowed	If conscious, rinse mouth with water and drink water; if not conscious, do not give anything by mouth; get medical attention
If inhaled	Move to fresh air; get medical attention if symptoms develop; if not breathing, give artificial respiration
In case of skin contact	Wash with water; remove contaminated clothes; get medical attention if irritation develops
In case of eye contact	Rinse immediately with plenty of water; get medical attention
General advice	Show this data sheet to the doctor in attendance

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

Vomiting, Diarrhoea, Dermatitis

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

No data available

## 5. Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: Use dry chemical powder; for large fire use water spray, fog and alcohol-resistant foam

### 5.2 Special hazards arising from the substance or mixture

Risk of dust explosion; carbon oxides

### 5.3 Advice for fire fighters

Wear self-contained breathing apparatus for firefighting

### 5.4 Further information

Prevent fire extinguishing water from contaminating surface water or ground water system

## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation; avoid breathing dust; use dust respirator if necessary; wear lab coat, safety goggles, proper gloves and boots

### 6.2 Environmental precautions

Do not let product enter drains

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

Cover drains; sweep up and shovel into a suitable and closed container for disposal

### 6.4 Reference to other sections

For disposal: See section 13

## 7. Handling and storage

### 7.1 Precautions for safe handling

Avoid dust formation, assure adequate ventilation where dust is formed; minimize contact with skin and eyes; wash hands before and after use

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

Keep in a tightly closed container in a dry, cool and well-ventilated place

### 7.3 Specific end use(s)

No data available

## 8. Exposure controls/personal protection

### 8.1 Control parameters

No data available

### 8.2 Exposure controls

#### Appropriate engineering controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits; if user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit

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**Personal protective equipment****Eye/face protection:** Wear safety goggles**Skin protection:** Wear proper gloves; gloves must be inspected prior to use**Body Protection:** Wear lab coat or other impervious clothes**Respiratory protection:** Use dust respirator if necessary**9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Appearance	white, crystalline
Odour	odourless
Odour threshold	no data available
pH	1.8 at 50g/l at 20° C
Melting point/ freezing point	melting range: 135-152° C
Initial boiling point and boiling range	no data available
Flash point	no data available
Evaporation rate	no data available
Flammability (solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Vapour density	no data available
Relative density	1.54 g/cm <sup>3</sup> at 20° C
Water solubility	1.630 g/l at 20° C
Partition coefficient: n-octanol/ water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

**9.2 Other information**

No further information

**10. Stability and Reactivity****10.1 Reactivity**

Risk of dust explosion

**10.2 Chemical stability**

Stable under recommended storage conditions

**10.3 Possibility of hazardous reactions**

Possible violent reaction with: metals, oxidizing agents, bases, reducing agents

**10.4 Conditions to avoid**

No data available

**10.5 Incompatible materials**

Metals, oxidizing agents, bases, reducing agents, nitrates

**10.6 Hazardous decomposition products**

No data available

**11. Toxicological information****11.1 Information on toxicological effects****11.1.1 Substances****Acute toxicity**

LD50 – Intraperitoneal – rat – 357 mg/kg

**Skin corrosion/irritation**

No data available

**Serious eye damage/ eye irritation**

Eye: rabbit – Irritating to eyes

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**Respiratory or skin sensitization**

Prolonged or repeated exposure may cause allergic reactions

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**Specific target organ toxicity – single exposure**

No data available

**Specific target organ toxicity – repeated exposure**

No data available

**Aspiration hazard**

No data available

**Potential health effects**

Causes serious eye irritation

## 12. Ecological information

**12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

No data available

**12.6 Other adverse effects**

No data available

## 13. Disposal considerations

**13.1 Waste treatment methods**

Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

Contaminated packaging: Dispose of as unused product.

## 14. Transport information

**14.1 UN-number**

ADR-RID: -

IMDG: -

IATA: -

**14.2 UN proper shipping name**

ADR-RID:

Not dangerous goods

IMDG:

Not dangerous goods

IATA:

Not dangerous goods

**14.3 Transport hazard class(es)**

ADR-RID: -

IMDG: -

IATA: -

**14.4 Packaging group**

ADR-RID: -

IMDG: -

IATA: -

**14.5 Environmental hazards**

ADR-RID:

no

IMDG, water pollutant:

no

IATA:

no

**14.6 Special precautions for user**

No data available

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

No data available

## 15. Regulatory information

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

No data available

### 15.2 Chemical safety assessment

No data available

## 16. Other information

This information is based on the current state of knowledge.

Precaution and disclaimer: For laboratory use only; not for drug, household, or any other use

### Text of H-phrases and P-phrases in section 3

Hazard statement(s):

H319

Causes serious eye irritation

Eye Irrit.

Eye Irritation