

GHS SDS--CITRIC ACID

SECTION 1: IDENTIFICATION

Product Identifier

Product form: Substance

Substance name: Citric Acid

CAS NO.: 5949-29-1

Formula: C₆H₈O₇.H₂O

EC number: 201-069-1

Synonyms: Hydrous citric acid; Citric acid, monohydrate; Citric acid Mono; 2-hydroxypropane-1,2,3-tricarboxylic acid hydrate (1:1)

Intended Use Of The Product

Use of the substance/mixture: Educational and science kits.

Name, Address, And Telephone Of Manufacturer/Supplier

XinXiang Alpha Manufacturing Ltd.

West Of Beihuan Road, Muye District, Xinxiang City, Henan Province, China

PostCode: 453003

E-mail: winni@chinaalpha.net

Emergency telephone No.: 86-373-2515705.

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS-EU classification

Label elements

GHS-US Labelling

Hazard pictograms(GHS-EU) :



GHS07

Signal word(GHS-EU) : Warning

Hazard statements(GHS-EU) :

Causes serious eye irritation

Precautionary statements:

IF IN EYES:Rinse cautiously with water for several minutes.Remove contact lenses,if present and easy to do-continue rinsing.

Other hazards

No additional information available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Name	Product Identifier	%	GHS-EU classification
Citric acid	(CAS No.)5949-29-1	100	Eye Irrit.2A, H319

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

First-aid measures after inhalation:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

First-aid measures after skin contact:

Take off contaminated clothing and shoes immediately. Immediately wash with water and soap and rinse thoroughly for at least 15 minutes. Consult a physician.

First-aid measures after eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

First-aid measures after ingestion:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

Vomiting, Diarrhoea, Damage to tooth enamel., Dermatitis

Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media:

Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture

If this product is involved in a fire, the following can be released:

Carbon monoxide and carbon dioxide.

Advice for firefighters

Wear self-contained respirator. Wear fully protective impervious suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

Environmental precautions

Do not allow product to reach sewage system or any water course. Do not allow to penetrate the ground / soil.

Methods and material for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Ensure good ventilation at the workplace.

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Store away from water or moisture. Store away from oxidizing agents.

Specific end use(s)

No additional information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:

No additional information available.

Exposure controls

Respiratory protection

Respiratory protection is not required under normal usage.

Use a NIOSH-approved respirator or self-contained breathing apparatus

whenever exposure may exceed established Occupational Exposure Limits.

Hand protection

Wear protective gloves.

Eye protection

Safety glasses.

Skin and body protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance Form : Crystalline

Colour : White

Odor : Odorless

Odour Threshold : No data available

pH : 1.8 at 50 g/l at 20 °C (68 °F)

Melting point/freezing point : No data available

Boiling point : No data available

Flash point : No data available

Ignition temperature : No data available

Autoignition temperature : No data available

Lower explosion limit : No data available

Upper explosion limit : No data available

Vapour pressure : No data available

Density : No data available

Solubility in Miscibility with water: Soluble

Partition coefficient n-octanol/water : No data available

Evaporation rate : No data available

Other information

No additional information available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity : No data available.

Chemical Stability : Stable under recommended storage conditions.

Possibility Of Hazardous Reactions : Reacts with strong oxidizing agents.

Conditions To Avoid : No data available.

Incompatible Materials : Oxidizing agents, Bases,Water,Moisture.

Hazardous Decomposition Products : Carbon monoxide and carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity : LD50 Intraperitoneal - rat - 375 mg/kg

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

Germ cell mutagenicity: No data available.

Carcinogenicity : No classification data on carcinogenic properties of this material is available from the EPA,IARC,NTP,OSHA, or ACGIH.

Reproductive toxicity : No data available.

Specific target organ toxicity (single exposure) :

May cause respiratory irritation.

Specific target organ toxicity (repeated exposure) :

No data available.

Aspiration hazard : No data available.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

No data available.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

PBT and vPvB assessment

No data available.

Other adverse effects

No data available.

Additional ecological information

Do not allow undiluted production or large quantities of it to reach ground water, water course or sewage system. Avoid transfer into the environment.

SECTION 13: DISPOSAL CONSIDERATIONS**Waste treatment methods****Product**

Consult state, local or national regulations to ensure proper disposal.

Contaminated packaging

Disposal must be made according to official regulations.

SECTION 14: TRANSPORTATION INFORMATION

Not a hazardous material for transportation.

UN-Number (DOT, ADN, IMDG, IATA)

Not applicable.

UN proper shipping name (DOT, ADN, IMDG, IATA)

Not dangerous goods.

Transport hazard class(es) (DOT, ADR, ADN, IMDG, IATA Class)

Not applicable.

Packing group (DOT, IMDG, IATA)

Not applicable.

Environmental hazards

Not applicable.

Special precautions for user

Not applicable.

SECTION 15: REGULATORY INFORMATION

National regulation

All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory.

Massachusetts Right To Know Components

No Components Listed

Pennsylvania Right To Know Components

Citric acid monohydrate CAS-No.5949-29-1

New Jersey Right To Know Components

Citric acid monohydrate CAS-No.5949-29-1

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: OTHER INFORMATION

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the resent state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. We shall not be held liable for any damage resulting from handling or from contact with the above product.

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XinXiang Alpha Manufacturing Ltd

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