



Material Safety Data Sheet

This MSDS is authoring based on the data supplied by and identified on behalf of the client.

Sample Name: Citric Acid Hydrate and Sulfamic Acid

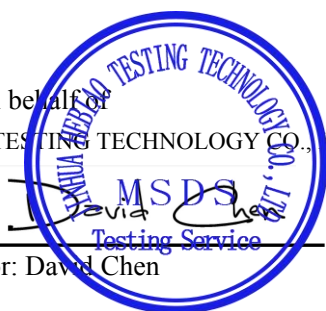
Client Name: Foshan Shunde Sincere-Home Home Appliance
Manufacturing Co., Ltd.

Client Address: Unit 2, 3rd Floor, Building No.1, No.5 Dejin Road,
Xingtan, Shunde, Foshan, Guangdong

MSDS No.: 2025081875E

Issue Date: August 18, 2025

Signed for and on behalf of
JINHUA HEBIAO TESTING TECHNOLOGY CO., LTD



Approved signator: David Chen

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The information and recommendations set forth are made in good faith and believed to be accurate as of the date of preparation. We make no warranty, expressed or implied, with respect to this information and disclaim all liabilities from reliance on it.

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1. Identification of the Substances/Preparation and of the Company/Undertaking

Product Identification:

Product Name: Citric Acid Hydrate and Sulfamic Acid

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

Identified uses: Clean the scale in the kettle, iron or other appliances.

Use advised against: No data available.

Details of the Manufacture or supplier

Manufacture: Foshan Shunde Sincere-Home Home Appliance Manufacturing Co., Ltd.

Address: Unit 2, 3rd Floor, Building No.1, No.5 Dejin Road, Xingtan, Shunde, Foshan,
Guangdong

Telephone: +86-757-23617156

Email: vivi@sincere-home.com

Emergency telephone number

Emergency Telephone: +86-757-23617156

2. Hazards Identification

Classification of the substance or mixture

GHS Classification: Skin irritation (Category 2), H315

Serious eye irritation (Category 2A), H319

Hazardous to the aquatic environment - Chronic hazard, categories
3, H412

GHS Label elements, including precautionary statements

Pictogram(s):



Signal Word: Warning

Hazard Statement: H315: Causes skin irritation.

H319: Causes serious eye irritation.

H412: Harmful to aquatic life with long lasting effects

Precautionary statements:

Prevention precautionary statements: P264: Wash thoroughly after handling.

P273: Avoid release to the environment

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Response Precautionary Statements:	P280: Wear protective gloves/ eye protection/ face protection. P302+352: IF ON SKIN: Wash with soap and water. P332 + P313: If skin irritation occurs: Get medical advice/attention. P362: Take off contaminated clothing and wash before reuse. P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, continue rinsing. P337+313: If eye irritation persists get medical advice/attention.
Storage Precautionary Statements:	None.
Disposal Precautionary Statements:	P501: Dispose of contents and container in accordance with local/regional/national /international regulations.

Description of any hazards not otherwise classified

None. See section 11 for more detailed information on health effects and symptoms.

3. Composition/Information on Ingredients

Chemical Characterization

Substance () Preparation (✓) Article ()

Composition:

Components Name	CAS No.	Weight (%w/w)
Citric acid hydrate	5949-29-1	< 50%
Sulphamidic acid	5329-14-6	> 50%

4. First-Aid Measures

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation occurs and persists, contact a doctor.
Skin Contact:	IF ON SKIN: Remove contaminated clothing immediately and wash affected skin with soap and water. Wash contaminated clothing before reuse. If irritation develops and persists, get medical attention.
Inhalation:	Remove to fresh air and keep at rest in a position comfortable for breathing. Dust in throat and nasal passages should clear spontaneously. Contact a physician if discomfort.
Ingestion:	If the person is conscious, wash out mouth with water. Never give anything by mouth to an unconscious person. Consult a physician attention and get medical attention immediately.

Most important symptoms and effects, both acute and delayed

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The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxide, Sulfur oxides, etc.

Advice for firefighters

Evacuate personnel to safe areas. As in any fire, Wear self-contained breathing apparatus and full protective gear for firefighting.

Further information

According to the standard chemical firefighting measures. Prevent fire extinguishing water from contaminating surface water or the ground water source.

6. Accidental Release Measures

For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. See Chapter 13 for information on disposal. Observe the relevant local and international regulations.

Personal precautions, protective equipment and emergency procedures:

Evacuate area. Ventilate area. Remove all sources of ignition. Avoid dust generation. Avoid inhaling dust. Use suitable personal protective equipment.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up:

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

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containers for disposal. For disposal see section 13.

7. Handling and Storage

Precautions for safe handling:

Provide appropriate exhaust ventilation at places where dust is formed.

Keep away from overheat and flame. Protect from static.

Wear suitable personal protective equipment in section 8.

Avoid formation of dust and aerosols. Avoid inhaling dust. Avoid contact with skin and eyes.

Wash thoroughly after handling.

Do not eat, drink or smoke 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 foodstuffs. Do not store together with strong oxidizing agent. Keep away from fire and heat.

8. Exposure Controls/Personal Protection

Exposure Limits: Not established by US OSHA and ACGIH.

Exposure controls

Engineering Control: General industrial hygiene practice. Provide appropriate exhaust ventilation at places where dust is formed. Provide safe shower and eye wash fountain.

Personal protective equipment:

Respiratory Protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eyes Protection: Use face shield and safety glasses if in-eye risk exists. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Body Protection: Use suitable chemical protection work suit. Take off contaminated clothing and wash before reuse.

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Hands Protection: Suggest wear suitable chemical protective gloves to avoid skin exposure.

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

9. Physical and Chemical Properties

Information on basic physical and chemical properties	
Appearance	Granule.
Color	White.
Odor	Weak odor.
pH	1.2 (10g/L H ₂ O) (CAS#5329-14-6).
Melting point/freezing point	Ca. 205 °C (CAS#5329-14-6).
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not applicable as not a liquid.
Flammability	Not available.
Upper explosive limit %(V/V)	Not available.
Lower explosive limit %(V/V)	Not available.
Vapor pressure(20°C)	0.8 Pa (CAS#5329-14-6).
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	Soluble in water.
Partition coefficient: n-octanol/water (log Po/w)	-4.34 (CAS#5329-14-6).
Auto-ignition temperature	> 400 °C (CAS#5329-14-6).
Decomposition temperature	209 °C (CAS#5329-14-6).
Viscosity	Not available.
Bulk density	2.12 g/cm ³ (CAS#5329-14-6)
Dissociation constant in water (pKa)	-0.997 (CAS#5329-14-6)

10. Stability and Reactivity

Stability: Stable under normal storage temperature and pressure.

Conditions to Avoid: Overheat, flames and mars.

Incompatible materials: Strong oxidizing agents.

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Hazardous Decomposition Products: Other decomposition products- no data available. In the event of fire:see section 5.

Possibility of hazardous reactions: None hazardous reactions known under normal condition.

11. Toxicological Information

Acute Toxicity:	No data available.
Skin Corrosion/Irritation:	Causes skin irritation.
Serious Eye Damage/Eye Irritation:	Causes serious eye irritation.
Respiratory or Skin Sensitization	No known sensitization.
Germ Cell Mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity:	None of the components of this product is listed as a carcinogen by IARC, NTP, US OSHA.
Reproductive Toxicity:	Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity - Single Exposure (Globally Harmonized System):	No known human health effects upon single exposure.
Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System):	No known human health effects upon repeated exposure.
Aspiration Hazard:	Based on available data, the classification criteria are not met.
Potential Health Effects:	
Inhalation:	Long-term inhalation dust or vapors may cause respiratory irritation.
Skin Contact:	Causes skin irritation.
Eye Contact:	Causes serious eye irritation.

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Ingestion: May be harmful if ingested.

12. Ecological Information

Toxicity

No data available.

Persistence and degradability

No data available.

Bioaccumulative potential

No bioaccumulative potential.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects

Harmful to aquatic life with long lasting effects. Do not allow materials to release to drains or water body.

13. Disposal Considerations

Safe handling and methods of disposal

Product

Recycle if possible. Offer surplus and non-recyclable products to a licensed disposal company. Observe according to the national and local related regulations.

Contaminated packaging

Contaminated packaging may contain residues of harmful ingredients. Dispose according local regulation.

14. Transport Information

ADR/RID Information

ADR-UN Number: Not regulated for transport

ADR-Class: Not regulated for transport

ADR-Shipping Name: Not regulated for transport

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ADRPacking Group: Not regulated for transport

IATA/ICAO Information

The product is not subject to IATA DGR.

IATA-UN Number: Not regulated for transport

IATA-Class: Not regulated for transport

IATA-Shipping Name: Not regulated for transport

IATA-Label: None

IATA-Packing Group: Not regulated for transport

IATA-S.P.: None

IATA-ERG: None

IMO/IMDG Information

The product is not subject to IMO/ IMDG Code.

IMDG-Marine Pollutant: No

IMDG-UN Number: Not regulated for transport

IMDG-Class: Not regulated for transport

IMDG-Shipping Name: Not regulated for transport

IMDG-Packing group: Not regulated for transport

IMDG-Storage Category: Not regulated for transport

15. Regulatory Information

International Regulations

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

No information available.

Chemical safety assessment

For this product a chemical safety assessment was not carried out.

16. Other Information

Further Information:

·This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

·This safety data sheet was prepared in accordance with Globally Harmonized System of Classification and Labeling of Chemicals (GHS) Rev. 9.

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Department Issuing MSDS: Foshan Shunde Sincere-Home Home Appliance Manufacturing Co.,
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