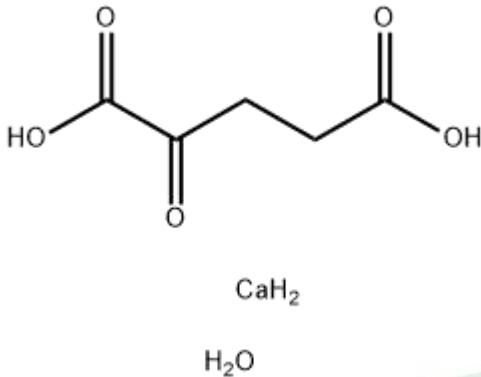


Material Safety Data Sheet

1. Identification of the substance and company

Product Name	Calcium Alpha Ketoglutarate
Synonyms	/
Application	For Health care product
Supplier	Xi'an Natural Field Bio-Technique Co., Ltd. Add.: 5th Floor, Building B, No.57, Keji 3rd Road, High-Tech Zone, Xi'an, 710075, China Tel: 0086-29-87973630 Web: www.natural-field.com

2. Composition/information on ingredients.

Chemical Description	White to pale yellow powder
Ingredient name	Calcium Alpha Ketoglutarate
CAS number	402726-78-7
Molecular Formula	C ₅ H ₁₀ CaO ₆
Molecular Weight	206.21
Structure	 <p>The structure shows a five-carbon chain with a carboxylic acid group at each end and a ketone group at the alpha position. Below the structure, the chemical formulas CaH₂ and H₂O are listed.</p>

3. Hazards identification

3.1 Classification of the substance or mixture.
Not a hazardous substance or mixture.
3.2 GHS Label elements, including precautionary statements.
Not a hazardous substance or mixture.
3.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none.

4. First aid measures

Skin contact	Wash off with soap and plenty of water.
Eye contact	Flush eyes with water as a precaution.
Breathed in	Move person into fresh air. If not breathing, give artificial

	respiration.
Swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water.

5. Fire fighting measures

5.1 Extinguishing media
Suitable extinguishing media.
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
5.2 Special hazards arising from the substance or mixture
Carbon oxides.
5.3 Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.
5.4 Further information
No data available.

6. Accidental release measures

General Information	Avoid dust formation. Avoid breathing vapours, mist or gas. Use proper personal protective equipment as indicated in Section 8.
Environmental Precautions	Prevent substance entering drains, watercourses and sewers. If substance enters watercourse or sewers, inform Police, Fire Brigade, Local and Water Authorities immediately.
Methods and materials for containment and cleaning up	Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling and storage

Handling	Avoid breathing, vapor, mist, or gas. Avoid contact with skin and eyes. Use only in a chemical fume hood.
Storage	Preserve in tight containers at controlled room temperature.

8. Exposure Controls / PPE

8.1 Control parameters	
Components with workplace control parameters.	
Contains no substances with occupational exposure limit values.	
8.2 Exposure controls	
Appropriate engineering controls.	
General industrial hygiene practice.	
Personal Protective Equipment	
Eyes	Wear chemical splash goggles.
Skin	Wear appropriate protective gloves to prevent skin exposure.

Clothing	Wear appropriate protective clothing to prevent skin exposure.
Respirators	Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. Physical and chemical properties

Appearance	White to pale yellow powder
Order	Not available
Solubility in Water	Not available
Boiling point	Not available
Melting Point	Not available
Initial boiling point and boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Partition coefficient: noctanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidizing properties	Not available

10. Stability and reactivity

Chemical Stability	Stable under recommended storage conditions.
Conditions to Avoid	No data available.
Incompatibilities with Other Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Other decomposition products - No data available.

11. Toxicological information

RTECS#	Not listed.
LD50	Not listed.
Carcinogenicity	Not listed.
Other	The toxicological properties have not been fully investigated.

12. Ecological information

No data.

13. Disposal consideration

Dispose of in a manner consistent with federal, state, and local regulations.

Waste treatment methods.

Product.

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging.

Dispose of as unused product.

14. Transportation information

Non-hazardous for air and ground transportation.

15. Regulatory information

Indication of Danger	Not available.
Risk Statement	Not available.
Safety Statement	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection.

16. Other information

This MSDS is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. It is the responsibility of the handlers of the product to pass on the information contained in this document to any subsequent persons who come into contact with, handle or use the product in any way. They should check the adequacy of the information contained in the safety data sheet received before passing in onto their customers. The information given in the Data Sheets is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment.