

CHENGDU CHELATION BIOLOGY TECHNOLOGY CO., LTD.

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Material Safety Data Sheet

SUBJECT: amino acid powder

1. Product and Company Identification
2. Ingredients

Common chemical name : amino acid powder

Appearance: light yellow powder, completely water soluble

Amino acids : 40%min

Amino nitrogen: 6.5%min,

Moisture: 5% max,

water insoluble matter: 1.0%max,

Heavy metal: 20 ppm max,

Pb: 10 ppm max,

As: 10ppm max,

3. Hazards Identification:

No hazards reported.

4. First-aid measurements

Eye contact : Flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing of eyes by separating eyelids with fingers. Obtain medical attention immediately.

Skin contact : Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

Inhalation : Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Ingestion : Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

5. Fire-Fighting Measurements

Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing media: Use agent most appropriate to extinguish fire. In case of fire use water spray, dry chemical, carbon dioxide, or appropriate foam.

6. Accidental Release Measurements

Personal precautions : When dusts are generated, use personal protective equipment: dust filter, goggles, gloves and protective clothing.

Environmental precautions : No ecological problems are to be expected.

7. Handling and Storage
Handling : Wash thoroughly after handling.
Wash hands before eating.
Remove contaminated clothing and wash before reuse.
Use with adequate ventilation. Minimize dust generation and accumulation.
Avoid breathing dust, vapor, mist, or gas.
Avoid contact with eyes, skin, and clothing.
Keep container tightly closed. Avoid ingestion and inhalation.
Storage : Keep container closed when not in use.
Store in a tightly closed container.
Store in a cool, dry, well-ventilated area away from incompatible substances.
Store protected from moisture.
8. Exposure Controls / Personal Protection
Engineering measures to reduce exposures : Avoid dust generation.
Threshold limit value : Not applicable
Personal protective equipment : When dust is generated
Respiratory protection : Dust filters
Hand protection : Gloves
Eye protection : Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye
Face protection : Regulations in 29 CFR 1910.133 or European Standard EN166.
Skin and body protection : Wear appropriate protective gloves to prevent skin exposure.
Specific hygiene measure : Change contaminated clothing. Wash hands after working with substance.
9. Physical and Chemical Protection
Physical State : Solid
Purity: 99% ϵ min,
Pb: 0.005% ϵ max,
PH(50g/L, 25 $^{\circ}$ C): 4.0-5.0,
Size: 20mesh
Boiling point/range : not available
Decomposition temperature : Not available
Flash point : Non combustible
Autoignition temperature :
Flammability limits :
Vapor pressure : Not available
Vapor density :
Other data :
10. Stability and reactivity
Stability : Stable under normal temperatures and pressures.
Materials to avoid : Aluminum, diazomethane, phosphorus
Hazardous decomposition products : In the event of fire : PO_x



11. Toxicological Information
Quantitative data on the toxicity of this product are not available.
12. Ecological Information
No ecological problems are to be expected.
13. Disposal Consideration
Take up dry. Forward for disposal. Clean up affected area.

14. Transport and Regulatory Information

UN No :
IMDG Code : Class
Packing group: NOT MORE THAN 20kg
Label: none
RID/ADR : Class and Item Nos. : NOT MORE THAN 20kg
Hazard/Substance Nos. : NOT MORE THAN 20kg
Danger Label Mode : NONE
US DOT : Hazard Class :
Packing Group : NOT MORE THAN 20kg
Label : none
NFPA Hazard rating : Health : Not rated
Fire
Reactivity
Other
HAZCHEM Code : NOT MORE THAN 20kg

15. Other Information

Although the information and recommendations set forth herein(hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, Chengdu Chelation Biology technology Co., Ltd. makes no representations as to the completeness or accuracy thereof, their own determination as to its safety and suitability for their purposes prior to use. In no event will Chengdu Chelation Biology technology Co., Ltd. be responsible for damages of any nature whatsoever resulting from the use or reliance upon information. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature, are made hereunder with respect to information or the product to which the information refers.

16. Reference

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