

MATERIAL SAFETY DATA SHEET

1: Product Identification

Product Name: Urolithin A Powder

CAS Number: 1143-70-0

Specification: 98%

Recommended Use: Dietary supplement ingredient

Manufacturer: XI'AN LAND NUTRA CO.,LTD

2: Hazard Identification

Label Elements:

GHS Pictograms: None

Signal Word: None

Hazard Statements: None

Precautionary Statements:

P261: Avoid breathing dust

P264: Wash hands thoroughly after handling

P271: Use only in well-ventilated areas

P280: Wear protective gloves/eye protection

Other Hazards:

May form combustible dust-air mixtures

Dust may cause mechanical irritation to eyes and respiratory tract

Not expected to present significant hazards under normal conditions of use
3: Composition and Ingredient Information

Active Constituents: Withanolides

3. Composition / Information On Ingredients

Component	CAS No.	Concentration	Classification
Urolithin A	1143-70-0	≥98%	Not hazardous

4: First Aid Measures

General Advice:

Remove to fresh air. If symptoms persist, seek medical advice.

Inhalation:

Move to fresh air immediately
If breathing is difficult, give oxygen
If not breathing, give artificial respiration
Seek medical attention if irritation persists

Skin Contact:

Remove contaminated clothing
Wash with plenty of soap and water
If irritation develops, seek medical attention

Eye Contact:

Rinse immediately with plenty of water for 15 minutes
Hold eyelids open
Remove contact lenses if present
Seek immediate medical attention

Ingestion:

Rinse mouth with water
Do NOT induce vomiting
Seek medical attention immediately

Show this MSDS to physician

Notes to Physician:

Symptomatic and supportive treatment

No specific antidote known

Consider potential interactions with sedatives and thyroid medications

5: Fire Fighting Measures

Suitable Extinguishing Media: Carbon dioxide, dry chemical powder, foam

Hazardous Decomposition Products: Nitrogen oxides

Protective Equipment: Self-contained breathing apparatus recommended

6: Accidental Release Measures

Personal Precautions: Avoid dust generation

Environmental Precautions: Prevent material from entering drainage systems

Cleanup Methods: Collect mechanically and dispose according to regulations

7: Handling and Storage

Handling: Avoid unnecessary dust exposure

Storage Conditions: Store in a cool, dry place, protected from light

8: Exposure Control and Personal Protection

Engineering Controls:

Local exhaust ventilation

Dust collection systems

Exposure Limits:

Total dust: 10 mg/m³ (8-hr TWA)

Respirable dust: 3 mg/m³ (8-hr TWA)

Personal Protective Equipment:

Respiratory: N95 dust mask if needed

Hands: Nitrile gloves

Eyes: Safety glasses

Body: Lab coat

9: Physical and Chemical Properties

Property	Specification	Test Method
Appearance	Off-white to light yellow crystalline powder	Visual
Odor	Characteristic, earthy	Organoleptic
Residue on Ignition	$\leq 0.1\%$	0.05%
Bulk Density	0.4-0.6 g/cm ³	USP <616>
Particle Size	90% < 150 μm	Laser diffraction
Loss on Drying	$\leq 8.0\%$	USP <731>

10: Stability and Reactivity

Stability:

Stable under recommended conditions

Conditions to Avoid:

High temperature (>40°C)

High humidity (>75% RH)

Direct sunlight

Hazardous Decomposition:

200°C: CO, CO₂, NO_x, organic compounds

Polymerization:

Will not occur

11: Toxicological Information

Acute Toxicity: Low

Long-Term Effects: No known adverse effects under intended use

12: Ecological Information

Ecotoxicity:

Fish LC₅₀ (96h): >100 mg/L

Daphnia EC₅₀ (48h): >100 mg/L

Algae EC₅₀ (72h): >100 mg/L

Persistence:

Readily biodegradable

Bioaccumulation:

Low potential (log Pow <3)

13: Disposal Considerations

Waste Disposal:

Dispose in accordance with local regulations

Do not dispose with household waste

Contact licensed waste disposal company

14: Transport Information

Transport Classification

Not dangerous goods

Not regulated for transport

Proper Shipping Name:

Not applicable

15: Regulatory Information

FDA: GRAS for specific uses

EU: Traditional herbal medicinal product

REACH: Registered

Halal: Certified available

Kosher: Certified available

16: Other Information

Disclaimer:

Information provided is accurate to our knowledge. User should determine suitability for intended use.

Prepared By: Quality Control Department

Reviewed By: Safety Officer

Approved By: Quality Manager

