

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4, HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

Website: www.scimplify.com



SAFETY DATA SHEET
Compound Amino Acid 80%

1. Product Identification

- **Product Name:** Compound Amino Acid 80%
- **Chemical Family:** Organic nitrogen compounds (amino acids)
- **Formulation Type:** Powder or micro-granules
- **CAS Number:** Not applicable (mixture)
- **Intended Use:** Bio-stimulant, plant nutrient, and soil conditioner for agricultural use
- **Supplier/ Manufacturer:** Cocreate Global Technologies Private Limited

2. Hazard Identification

- **GHS Classification:** Not classified as hazardous under GHS criteria
 - **Signal Word:** None
 - **Hazard Statements:** Not considered hazardous
 - **Precautionary Statements:**
 - Avoid contact with eyes and prolonged skin contact
 - Avoid inhalation of dust
 - Wash thoroughly after handling
 - **Potential Health Effects:**
 - Inhalation: May cause mild irritation if inhaled in large quantities
 - Skin: Prolonged contact may cause dryness
 - Eyes: Dust particles may cause irritation
 - Ingestion: Low toxicity
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3. Composition and Information on Ingredients

- **Total Amino Acids:** $\geq 80\%$
 - **Free Amino Acids:** $\geq 75\%$
 - **Organic Matter:** $\geq 85\%$
 - **Organic Nitrogen:** $\sim 12.8\%$
 - **Organic Carbon:** $\sim 38\%$
 - **Minerals:** Trace amounts of potassium, magnesium, and iron
 - **Moisture Content:** $\leq 9\%$
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4. First-Aid Measures

- **Inhalation:** Move affected person to fresh air. Seek medical attention if symptoms persist.
 - **Skin Contact:** Wash thoroughly with soap and water. Remove contaminated clothing.
 - **Eye Contact:** Rinse immediately with clean water for at least 15 minutes. Seek medical attention if irritation persists.
 - **Ingestion:** Rinse mouth thoroughly. Seek medical attention if discomfort continues.
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5. Fire-Fighting Measures

- **Extinguishing Media:** Water spray, dry chemical powder, foam, or carbon dioxide
 - **Fire Hazards:** Non-flammable under normal conditions but can release toxic fumes if burned
 - **Special Protective Equipment:** Wear full protective gear, including a self-contained breathing apparatus
 - **Combustion Products:** Carbon monoxide (CO), carbon dioxide (CO₂), and nitrogen oxides (NO_x)
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6. Accidental Release Measures

- **Personal Precautions:** Avoid generating dust. Wear appropriate personal protective equipment (PPE).
 - **Environmental Precautions:** Prevent spillage from entering drains, waterways, or soil
 - **Cleanup Procedures:** Sweep up spilled material and place in appropriate waste containers for disposal according to local regulations
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7. Handling and Storage

- **Handling Instructions:**
 - Avoid dust formation
 - Wear protective gloves and eye protection during handling
 - Wash hands thoroughly after use
 - **Storage Conditions:**
 - Store in a cool, dry, and well-ventilated place
 - Keep containers tightly sealed
 - Protect from direct sunlight, moisture, and extreme temperatures
 - **Shelf Life:** 2 years under recommended storage conditions
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8. Exposure Controls and Personal Protection

- **Exposure Limits:** No occupational exposure limits established
- **Engineering Controls:** Ensure adequate ventilation to minimize dust exposure
- **Personal Protective Equipment (PPE):**
 - **Respiratory Protection:** Dust mask if airborne concentration exceeds safe limits
 - **Hand Protection:** Protective gloves
 - **Eye Protection:** Safety goggles

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- **Skin Protection:** Protective clothing

9. Physical and Chemical Properties

- **Appearance:** Light brown or off-white powder
- **Odor:** Slight, characteristic organic odor
- **pH (1% solution):** 4.5 – 5.5
- **Solubility in Water:** Completely soluble
- **Bulk Density:** 0.45–0.55 g/cm³
- **Melting Point:** Not applicable
- **Boiling Point:** Not applicable
- **Flash Point:** Non-flammable

10. Stability and Reactivity

- **Stability:** Stable under normal storage conditions
- **Conditions to Avoid:** Excessive heat, moisture, and direct sunlight
- **Incompatible Materials:** Strong oxidizers and acids
- **Hazardous Decomposition Products:** None under normal conditions; carbon monoxide and nitrogen oxides under combustion

11. Toxicological Information

- **Acute Toxicity:**
 - **Oral LD50 (Rat):** >5000 mg/kg (low toxicity)
 - **Dermal LD50 (Rabbit):** >2000 mg/kg
- **Skin Corrosion/Irritation:** Non-irritant

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- **Eye Damage/Irritation:** May cause mild irritation
 - **Sensitization:** No known effects
 - **Carcinogenicity:** No data available; considered non-carcinogenic
 - **Mutagenicity:** No mutagenic effects observed
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12. Ecological Information

- **Aquatic Toxicity:**
 - Not classified as hazardous to aquatic life
 - **Biodegradability:** Readily biodegradable under environmental conditions
 - **Bioaccumulation Potential:** Low
 - **Mobility in Soil:** Low potential for mobility; binds to soil particles
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13. Disposal Considerations

- **Product Disposal:** Dispose of following local environmental regulations. Do not release into waterways.
 - **Packaging Disposal:** Containers should be rinsed thoroughly and recycled or disposed of according to local guidelines
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14. Transport Information

- **UN Number:** Not regulated for transport
 - **Proper Shipping Name:** Not applicable
 - **Hazard Class:** Non-hazardous
 - **Packing Group:** Not applicable
 - **Marine Pollutant:** No
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15. Regulatory Information

- **Labeling:** No hazard symbols required under GHS
- **International Regulations:** Complies with EU, US EPA, and REACH requirements
- **Safety Data Sheet Compliance:** Prepared in accordance with GHS and ISO standards

16. Other Information

- **Disclaimer:** The information provided is accurate to the best of our knowledge. It is the responsibility of the user to ensure safe handling and compliance with local regulations.