



SAFETY DATA SHEET (SDS / MSDS)

SIGMA

Amino-acid organic biostimulant

Document code	CEON-SDS-66-R05
Revision	05
Issue date	19 July 2026
Catalogue source	CEON Products Catalogue - PDF page 67
Publication status	Website / distributor technical copy

CEON Enterprise Ltd - Agricultural plant nutrition and specialty fertiliser documentation

1. Identification

Product identifier: SIGMA. Recommended use: professional agricultural fertiliser / plant nutrition product. Supplier documentation contact: CEON Enterprise Ltd. Emergency advice should be obtained from the local poison centre and emergency services in the country of use.

2. Hazard identification

Catalogue information does not provide a complete market-specific GHS/CLP classification. Pending final formulation review, handle as an agricultural chemical. Dusts, aerosols or splashes may cause mechanical irritation. Do not make a "not hazardous" claim without supplier classification and jurisdictional review.

3. Composition / information on ingredients

The declared nutrient profile is shown below. Exact raw-material identities, CAS numbers and concentration ranges must be confirmed against the controlled manufacturing formula before regulatory issue.

Parameter	Specification
Total Organic Matter	45% w/v
Organic Carbon (C)	16% w/v
Total Nitrogen (N)	2% w/v
Organic Nitrogen (N)	2% w/v
Total Amino Acids	2% w/v
Water-soluble Potassium Oxide (K ₂ O)	6% w/v
Humic + Fulvic Acids	12% w/v

4. First-aid measures

Inhalation: move to fresh air and obtain medical advice if symptoms persist. Skin: remove contaminated clothing and wash with water and soap. Eyes: rinse cautiously with clean water for at least 15 minutes; remove contact lenses if easy. Ingestion: rinse mouth, do not induce vomiting unless instructed, and seek medical advice if unwell.

5. Fire-fighting measures

Use extinguishing media suitable for the surrounding fire. Product is not intended as a combustible material, but packaging may burn. Heating can produce irritating decomposition gases depending on nutrient salts and organic components. Firefighters should use self-contained breathing apparatus where fumes are present.

6. Accidental release measures

Restrict access. Avoid dust, mist or aerosol generation. Wear suitable gloves and eye protection. Collect dry material mechanically; absorb liquid with inert material. Prevent concentrated release to drains, surface water and soil. Place recovered material in a labelled container for reuse or disposal.

7. Handling and storage

Avoid contact with eyes and prolonged skin contact. Do not eat, drink or smoke while handling. Use local exhaust or adequate ventilation for powders. Keep container tightly closed, dry and protected from heat, frost and incompatible materials. Segregate from food and feed.

8. Exposure controls / personal protection

No catalogue-specific occupational exposure limits are stated. Apply general nuisance-dust controls for powders. Use safety glasses, chemical-resistant gloves and work clothing. Use particulate respiratory protection where dust cannot be controlled, selected under a workplace risk assessment.

9. Physical and chemical properties

Appearance/form: Plant-origin liquid organic fertiliser. Colour and odour: product-specific. Solubility: intended to be soluble or dispersible according to product form. pH, density, bulk density, flash point and other regulatory properties require batch/formulation data.

10. Stability and reactivity

Stable under recommended storage conditions. Avoid moisture ingress for powders, freezing or excessive heating for liquids, and uncontrolled contact with incompatible chemicals. Do not mix concentrated products without compatibility confirmation.

11. Toxicological information

No complete toxicological dataset is provided in the catalogue. Likely exposure routes are inhalation of dust/mist, eye contact, skin contact and accidental ingestion. Mechanical irritation and gastrointestinal discomfort are possible. Classification must be based on the final mixture and ingredient data.

12. Ecological information

Nutrients and organic matter can cause environmental loading when released in concentrated quantities. Avoid discharge to watercourses and drainage systems. Use only at agronomic rates. Ecotoxicity, persistence, bioaccumulation and mobility data require formulation-specific assessment.

13. Disposal considerations

Use product according to agronomic instructions where lawful. Dispose of unusable material and contaminated absorbent through an authorised waste route. Do not reuse empty packaging for food or water. Rinse or manage packaging according to local agricultural-container rules.

14. Transport information

Transport classification has not been established from catalogue data alone. Before shipment, confirm UN number, proper shipping name, class, packing group, marine-pollutant status and modal requirements against the final formulation and current ADR/RID/IMDG/IATA rules.

15. Regulatory information

Fertiliser registration, chemical classification, labelling, REACH/UK REACH status and national product requirements vary by market. This document requires final review by the responsible supplier/regulatory professional before legal issue.

16. Other information

Revision 05. Prepared as a catalogue-based technical SDS draft. The signed supplier SDS and approved market label take precedence. Abbreviations: GHS - Globally Harmonized System; CLP - Classification, Labelling and Packaging; PPE - personal protective equipment.