

TECHNICAL DATA SHEET

MOLIBOR

Document code	CEON-046-TDS-R05
Product category	B-Mn-Mo-Zn micronutrient mixture fertiliser
Physical form	Fully water-soluble solid formulation
Packaging	100 g, 250 g, 1 kg, 5 kg, 10 kg
Catalogue reference	CEON Product Catalogue, page 58

1. Product overview

A concentrated micronutrient mixture combining boron, manganese, molybdenum and zinc to support nitrogen metabolism, hormone activity, flowering, seed formation and reproductive development.

2. Guaranteed analysis

Declared component	Guaranteed content
Water-soluble boron (B)	5% w/w
Water-soluble manganese (Mn)	2% w/w
Water-soluble molybdenum (Mo)	12% w/w
Water-soluble zinc (Zn)	4% w/w

3. Agronomic positioning

- Molybdenum supports nitrate reduction and biological nitrogen fixation
- Boron supports flowering, pollen function and sugar movement
- Manganese supports photosynthesis and enzyme activation
- Zinc supports growth-regulator metabolism and seed development
- Fast-dissolving formulation for foliar and fertigation programmes

4. Recommended application framework

Application route / crop group	Recommended framework
Foliar	100-150 g per 100 L water
Soil / fertigation	7-10 kg/ha
Legumes and oilseeds	Apply during active growth and before flowering when deficiency risk exists
Fruit and vegetable crops	Use at flowering and early fruit development according to need

Application rates are programme guidance derived from the catalogue and agronomic practice. The approved destination-market label, crop sensitivity, soil/leaf analysis, irrigation volume and local regulation take precedence.

5. Mixing and application procedure

- Fill the tank with 30-50% clean water and start agitation.
- Pre-dissolve the measured product in a separate clean container where practical.
- Add the solution slowly to the main tank while maintaining agitation.
- Add compatible plant-protection products only after a jar test and according to their label order.
- Complete filling with water, maintain agitation and use the mixture promptly.
- Flush fertigation lines and spray equipment with clean water after use.

6. Compatibility and precautions

Do not exceed the recommended rate because the product contains concentrated molybdenum and boron. Confirm crop sensitivity before broad application.

- Do not mix concentrated fertiliser solutions together unless compatibility is confirmed.
- A small-scale jar test is required before new combinations.
- Avoid application during extreme heat, frost, drought stress or intense sunlight.
- Use clean, low-sediment water and appropriate filtration in drip systems.

7. Storage and shelf-life controls

- Store sealed in the original package in a cool, dry, ventilated place.
- Protect from direct sunlight, moisture, frost and excessive heat.
- Keep away from food, feed, children and unauthorised persons.
- Reseal opened packages immediately to avoid caking or contamination.
- Shelf life is governed by the approved commercial label and batch release documentation.

8. Quality control and release

Each batch should be released against an approved specification using validated analytical methods appropriate to the declared nutrient. Identity, appearance, solubility/moisture where relevant, nutrient content, packaging integrity, lot coding and traceability should be verified before dispatch.

9. Regulatory statement

This TDS is a technical and commercial support document. It is not a substitute for the legally approved product label, registration dossier, destination-country fertiliser regulation, batch COA or final SDS classification. Claims must be adapted to the authorised market.