

TECHNICAL DATA SHEET (TDS)

Product	MICRO-COTE 24	Document	Technical Data Sheet
Category	Micronutrient suspension concentrate for seed treatment	Code	CEON-TDS-82-R05
Catalogue source	CEON catalogue PDF page 85	Status	Technical publication copy - final regulatory review required

1. Product identity and technical positioning

A flowable micronutrient seed-treatment concentrate formulated for cereals, especially rice and maize, with nitrogen, phosphorus, sulphur, copper, manganese, molybdenum and zinc.

Intended technical function

Micronutrient suspension concentrate for seed treatment.

Physical form

Liquid flowable suspension. Appearance, density, pH, moisture and particle-size values are controlled by the approved batch specification and shall be reported on the batch COA.

2. Guaranteed analysis

Parameter	Specification
Total Nitrogen (N)	7.5% w/v
Phosphorus Pentoxide (P ₂ O ₅)	1.1% w/v
Sulphur (S)	1.5% w/v
Copper (Cu)	2% w/v
Manganese (Mn)	1% w/v
Molybdenum (Mo)	0.35% w/v
Zinc (Zn)	1.8% w/v

Quality-control note

Declared nutrient or active-content values are catalogue specifications. Final release requires identity, appearance and relevant analytical checks against the approved master specification. No batch result is implied by this TDS.

3. Agronomic benefits and mode of use

- Provides uniform micronutrient coverage and strong adhesion to seed surfaces.
- Supports germination, early root growth and uniform seedling establishment.
- Addresses micronutrient demand in cereal crops, particularly where zinc availability is low.
- Can be incorporated into compatible fungicide or insecticide seed-treatment programmes.
- Supplies available micronutrients directly around the emerging seedling.

4. Application programme

- Rice - dry seed: 150-200 mL per 100 kg seed.
- Rice - pregerminated seed: dip in a 4 mL/L solution for 2-3 minutes; do not exceed 5 minutes.
- Corn/maize: 400-500 mL per 100 kg seed, corresponding to approximately 80,000-100,000 seeds/ha.
- Wheat, barley and triticale: 150-200 mL per 100 kg seed.
- Other crops: 200 mL per 100 kg seed. Dilution with clean water may be used according to treatment equipment.

Application principles

- Calibrate injection or spray equipment before use.
- Base the final rate on crop, growth stage, water quality, soil/leaf analysis, climatic conditions and local agronomic advice.
- Do not exceed the catalogue rate or the legal label of any tank-mix partner.
- Ensure uniform distribution and adequate water volume for the intended application.

5. Compatibility and tank-mixing

Agitate before and during application. Do not leave diluted suspension standing for long periods without agitation. When combining with powder fungicides, apply MICRO-COTE 24 first and allow seeds to dry before the powder treatment. Follow every pesticide label and verify seed germination after any new combination.

Recommended sequence

- Fill the clean tank partly with water and start agitation.
- Add water conditioners first where applicable, followed by dry products, suspension products, soluble concentrates and emulsifiable concentrates according to partner labels.
- Add organosilicone adjuvants near the end of filling.
- Complete with water and maintain appropriate agitation.

6. Packaging, storage and handling

Packaging: 1 L, 5 L, 10 L and 20 L packs.

- Keep in the original, tightly closed and correctly labelled container.
- Store in a cool, dry and ventilated area away from direct sunlight, frost, excessive heat and incompatible materials.
- Keep biological products away from disinfectants and conditions that reduce viability.
- Prevent contamination of food, feed, seed and drinking water.
- Use appropriate gloves and eye protection during handling.

7. Technical limitations

- Performance depends on correct diagnosis, dose, timing, water quality and application coverage.
- Catalogue benefits are technical positioning statements and are not a guarantee of yield.
- Pesticidal or biological-control uses are subject to local registration, approved label and maximum-residue/worker-safety requirements.
- This document does not replace local legal labelling, product registration, crop-protection labels or professional agronomic advice.

8. Document control

Source reference: CEON Products Catalogue, PDF page 85. This Rev.05 document expands the catalogue information into a website/distributor technical format. Regulatory classification, local-language label, shelf life and market-specific claims must be approved before commercial issue.