

TECHNICAL DATA SHEET (TDS)

Product	EUROVIT STANDARD	Document	Technical Data Sheet
Category	Micronised natural carbonate foliar fertiliser	Code	CEON-TDS-80-R05
Catalogue source	CEON catalogue PDF page 83	Status	Technical publication copy - final regulatory review required

1. Product identity and technical positioning

A micronised, tribodynamically activated natural carbonate foliar fertiliser based on calcium and magnesium carbonates with iron and silicon. The fine particles are intended to form a foliar mineral film and support crop nutrition and photosynthetic performance.

Intended technical function

Micronised natural carbonate foliar fertiliser.

Physical form

Fine mineral powder, particle size below 10 micrometres. 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
Calcium Carbonate (CaCO ₃)	75% w/w
Magnesium Carbonate (MgCO ₃)	10% w/w
Ferrous (Fe)	0.5% w/w
Silicon dioxide (SiO ₂)	10% w/w

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

- Supplies calcium, magnesium, iron and silicon through a fine foliar suspension.
- Supports yield, quality, colour development and storage properties.
- May improve tolerance to drought, frost, insects and fungi as part of an integrated programme.
- Supports chlorophyll formation through magnesium nutrition.
- Catalogue positioning indicates suitability for organic-farming programmes subject to current certification and local rules.

4. Application programme

- General concentration: 0.3-0.5% w/v.
- Typical spray preparation: 300-500 g per 100 L water.
- Minimum field dose: approximately 1 kg/ha, adjusted to canopy and spray volume.
- Apply from early foliation/bedding-out, around flowering, and repeat every 3-4 weeks if required. Maintain agitation during spraying.

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

Maintain continuous agitation. Check nozzle suitability for fine mineral suspensions. Conduct a jar test before combining with crop-protection agents. Avoid strongly acidic mixtures that rapidly decompose carbonates.

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: Powder packs; confirm commercial pack size on order.

- 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 83. 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.