

TECHNICAL DATA SHEET (TDS)

Product	RADIX-F	Document	Technical Data Sheet
Category	Actinomycete-based microbial fertiliser for Fusarium-wilt management programmes	Code	CEON-TDS-84-R05
Catalogue source	CEON catalogue PDF page 87	Status	Technical publication copy - final regulatory review required

1. Product identity and technical positioning

A probiotic microbial fertiliser based on actinomycete-type organisms and positioned for integrated soil-health and Fusarium-wilt management programmes.

Intended technical function

Actinomycete-based microbial fertiliser for Fusarium-wilt management programmes.

Physical form

Fine microbial powder. 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
Living bacteria content	10/20 billion CFU/g (catalogue declaration)
Product fineness	60-100 mesh
Moisture	10% maximum

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

- Supports beneficial microbial activity and nutrient cycling in the root zone.
- Designed for crops exposed to Fusarium-wilt pressure as part of an integrated programme.
- Supports root development and competitive colonisation of the rhizosphere.
- May contribute enzymes, organic acids and biologically active metabolites associated with actinomycete activity.
- Can support soil fertility and resilience when combined with sanitation, resistant varieties and sound irrigation management.

4. Application programme

- Recommended for vegetables, flowers, ornamentals, fruits, citrus, grapes and tropical crops.
- Drip/root application: 2-3 kg/ha in 100-200 L water.
- Suggested timing: at transplanting; at fruit formation/flower fall; and approximately 30 days later, with one further repeat where necessary.
- Apply preventively or at early risk stages; do not present the product as a stand-alone cure for established vascular wilt.

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

Do not mix with bactericides, broad-spectrum fungicides, copper products, chlorinated water or strongly acidic/alkaline inputs unless microbial compatibility is confirmed. Prepare fresh and apply promptly. Local registration may be required for disease-control claims.

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 kg pack.

- 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 87. 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.