TECHNICAL DATA SHEET (TDS)

Product	SUN DRY	Document	Technical Data Sheet
Category	Kaolin-based solar-protection film with boron, manganese and zinc	Code	CEON-TDS-86-R05
Catalogue source	CEON catalogue PDF page 89	Status	Technical publication copy - final regulatory review required

1. Product identity and technical positioning

A kaolin and micronutrient foliar-film formulation designed to reflect solar radiation and protect leaves and fruit from sunburn and heat-related cosmetic damage.

Intended technical function

Kaolin-based solar-protection film with boron, manganese and zinc.

Physical form

Wettable mineral 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
Water-soluble Boron (B)	4% w/w
Water-soluble Manganese (Mn)	0.5% w/w
Water-soluble Zinc (Zn)	0.5% w/w
Kaolin mineral carrier	Formulation base; percentage not declared

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

- Creates a reflective mineral barrier on exposed plant surfaces.
- Helps lower the incidence of solar injury, fruit burn and surface russeting.
- Supports the visual finish and brightness of harvested produce.
- Provides supplementary boron, manganese and zinc nutrition.
- Supports crop quality and marketability during periods of intense sunlight.

4. Application programme

- Greenhouse vegetables: 100-150 g/100 L water at early planting when exposed to sunlight.
- Open-field vegetables, melons, industrial plants and field crops: 250-300 g/da, with repeat applications at approximately 20-day intervals where required.
- Pome fruit: 150-250 g/100 L water during flowering and fruit growth.
- Stone fruit: 100-150 g/100 L water during flowering and fruit growth.
- Citrus, banana, fig, olive, vineyard and ornamentals: 150-250 g/100 L water following crop-stage guidance.

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

Keep the spray suspension under continuous agitation and maintain nozzle cleanliness. Conduct a compatibility test before tank mixing. Avoid combining with oils or highly reactive products unless crop safety is established. Account for visible residue and pre-harvest appearance requirements.

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: 2.5 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 89. 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.