

TECHNICAL DATA SHEET (TDS)

Product	SMART	Document	Technical Data Sheet
Category	Organic silicone synergist, spreader and adhesive adjuvant	Code	CEON-TDS-75-R05
Catalogue source	CEON catalogue PDF page 77	Status	Technical publication copy - final regulatory review required

1. Product identity and technical positioning

A new-generation organosilicone spray adjuvant that reduces surface tension and improves wetting, spreading, adhesion and penetration of foliar pesticides, fertilisers and growth regulators.

Intended technical function

Organic silicone synergist, spreader and adhesive adjuvant.

Physical form

Liquid organosilicone concentrate. 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
Organic silicone adjuvant	10% 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

- Improves coverage on waxy, hairy or difficult-to-wet plant surfaces.
- Promotes uniform diffusion and reduces untreated leaf areas.
- Supports rainfastness and lowers repeated-application risk.
- Reduces droplet beading and lens-type scorch risk associated with large non-spread droplets.
- Improves performance of compatible crop-protection and foliar nutrition programmes.

4. Application programme

- Fungicides, insecticides, foliar fertilisers and growth regulators: 10 mL/100 L water.
- Herbicides: 20 mL/100 L water.
- Aircraft or low-water-volume applications: 50 mL/100 L water.
- Add near the end of tank filling and mix gently for 2-3 minutes to minimise foam.

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

Follow the pesticide/fertiliser label. Conduct a jar test and a small crop-safety test before broad use, especially with contact herbicides or sensitive crops. Do not exceed the stated adjuvant rate.

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: 100 mL, 250 mL, 500 mL and 1 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 77. 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.