

TECHNICAL DATA SHEET (TDS)

Product	SMARTER	Document	Technical Data Sheet
Category	High-strength organic silicone diffuser and adhesive adjuvant	Code	CEON-TDS-76-R05
Catalogue source	CEON catalogue PDF page 78	Status	Technical publication copy - final regulatory review required

1. Product identity and technical positioning

A concentrated organosilicone super-spreader developed for very low-dose use. It provides rapid wetting, homogeneous diffusion and strong adhesion of compatible foliar inputs.

Intended technical function

High-strength organic silicone diffuser 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	100% 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

- Very strong surface-tension reduction at low use rates.
- Improves spray distribution across waxy and irregular surfaces.
- Supports rainfastness, adhesion and penetration.
- Helps reduce residue spotting and repeated spray costs.
- Solvent-free catalogue positioning supports low phytotoxicity when correctly dosed.

4. Application programme

- Fungicides, insecticides, foliar nutrients and growth regulators: 10 mL/100 L water.
- Aircraft and low-water-volume applications: 50 mL/100 L water.
- Add after other tank components when the tank is approximately 90% full; stir gently.
- Use only at the lowest effective rate and complete a crop-safety test.

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

High-strength super-spreaders can increase uptake and crop sensitivity. Follow all partner-product label restrictions. A jar test and small-area phytotoxicity test are essential.

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 78. 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.