

TVOC & PHOTOCATALYTIC COATINGS · BROAD-SPECTRUM VOC NEUTRALIZER

TVOC Eliminator

Broad-spectrum VOC chelation and catalytic degradation spray for painted walls, carpets, sealants, and commercial fit-outs.

PATHWAY **TVOC + Chelate/Cat** → **CO₂ + H₂O**



TECHNICAL SPECIFICATIONS & OPERATING PARAMETERS

Factory QC Standard · Verified Batch Parameters

Active Chemistry	Amphiphilic plant-extract chelators, micro-catalytic oxidizers, deionized carrier
Target Pollutant	Total Volatile Organic Compounds (TVOC), paint solvents, carpet & sealant emissions
Appearance & pH	Clear liquid; pH 6.5 – 7.5
Recommended Dosage	10 – 20 ml/m ² across walls, ceilings, carpets, and soft furnishings
Compliance Benchmark	Supports remediation toward GB/T 18883–2022 & commercial TVOC ≤ 0.60 mg/m ³ limits
Storage & Stability	24 months in sealed HDPE containers at 5°C–35°C
Product Grade	Visible-Light Architectural & Commercial Photocatalytic Grade
Specific Gravity / Density	1.01 – 1.03 g/cm ³ (20 °C)
Flash Point & VOC Content	Non-flammable (Aqueous dispersion) · VOC: 0 g/L (100% inorganic aqueous carrier)
Application Method	Fine HVLP / ULV mist atomization (0.5mm–0.8mm nozzle) across large surface zones
Transport & Customs HS Code	Non-Dangerous Goods (Non-DG for Sea/Air) · HS 3815.90.0000
Quality & Test Compliance	ISO 22197–1 / JIS R 1701–1 Photocatalytic Oxidation (92.4% HCHO & 89.6% TVOC mineralization under 420–450 nm LED)