ADCAT™ VOC Oxidation Catalyst
For Volatile Organic Compound Reduction

Qualified to Serve You – EmeraChem has been a scientific developer of catalytic and nanophase surface technologies for 25 years, with patents in the U.S.A. and overseas. EmeraChem is a vertically integrated OEM manufacturer of substrates and catalytic products. LEAN manufacturing and automated equipment enable EmeraChem to rapidly assemble and coat any quantity, of any catalyst product, in any shape and dimension.

Catalyst – VOC oxidation catalysts are formulated for all types of processes where chemicals, solvents, coatings, and fuels are used including chemical plants, oil refineries, manufacturing facilities, printing plants and bakeries. EmeraChem’s ADCAT™ VOC catalysts coatings are characterized by high-platinum loadings applied to high surface area metal or ceramic honeycomb substrates, designed specifically to destroy a wide array of chemical vapors and gases.

- precise control over critical manufacturing parameters assures optimum performance and longevity
- formulated to be durable and tolerant of common contaminants
- coating formulations engineered for long life and strong response to chemical washings
- each catalyst is individually serial numbered and inspected for 100% traceability
- broad operating temperature range 500-1250F

Customers’ side-by-side comparisons consistently show EmeraChem catalysts out-performing and out-living competing catalyst technologies. And, you don’t pay more for this superior performance and quality.

Substrates – EmeraChem-made substrates are strong and durable. Substrate geometries and dimensions are easily customized to fit any application or replace any existing catalyst. Automated assembly equipment enables EmeraChem to rapidly manufacture any quantity of any shape and size.

- Any shape and size made with precise dimensional control to fit any application—round, rectangle, octagon
- Metal substrates use premium fecrolloy foil for strength, durability and coating adhesion
- Metal substrate cell densities from 100-700 cells per square inch
- Ceramic substrates use premium cordierite honeycomb monoliths in cell densities from 64-400 cells per square inch
- Heavy duty 304 stainless steel frames for structural strength
- Saddles, handles, lifting eyes, and flanges available

Let us demonstrate our solid products, operational excellence, experienced application engineering, responsive customer support before and after the sale, rapid manufacturing and delivery, low life-cycle cost, the best warranties in the industry, and long-term emission compliance.