



## DOX - VOC Oxidation Catalysts

# The ultimate solution for VOC & CO abatement

Chemical production plants and other industrial processes that emit VOCs (Volatile Organic Compounds) and/or CO (Carbon Monoxide) must meet increasingly stringent emission limits. These regulations are crucial not only for compliance but also to protect human health and the environment from toxic emissions. Umicore offers a unique series of catalysts with PGM (Platinum Group Metals) loadings on cordierite, providing an efficient and cost-effective solution for VOC abatement.

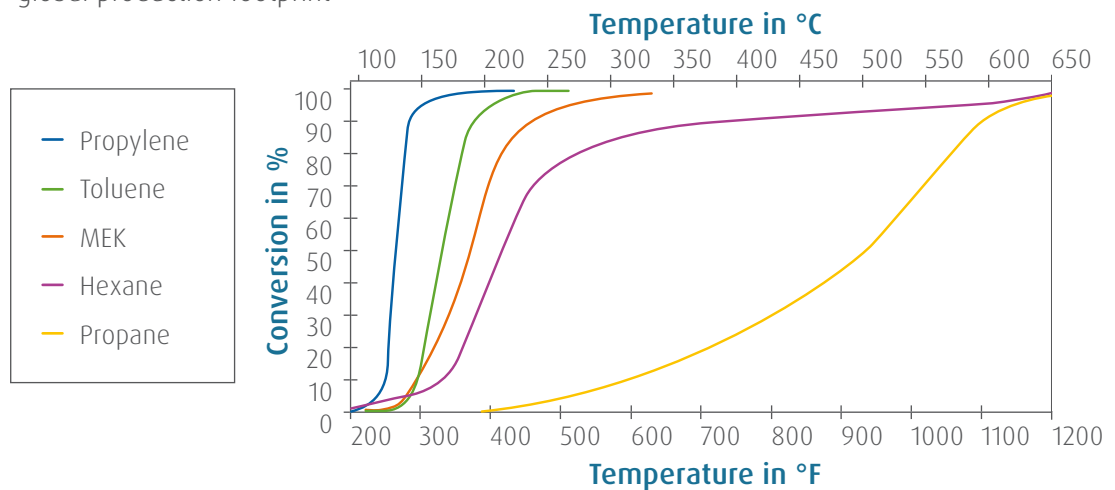


### DOX benefits:

- Wide range of design temperature from 390-1200 °F (200- 650 °C)
- Single vendor solution for all emission guarantees
- Proprietary PGM coating for simultaneous VOC, HAP and CO oxidation
- Low pressure drop
- Integrated design with additional NO<sub>x</sub>, NH<sub>3</sub> and PM removal options
- Local manufacturing through Umicore's global production footprint

### Typical applications:

- Propane dehydrogenation (PDH)
- Acrylic acid (AA)
- Acrylonitrile (AN)
- Styrene-butadiene rubber (SBR)
- Petrochemistry
- Paint and print shops
- Boilers
- Cement



With over 40 years of experience in catalytic emission control, Umicore offers solutions for a wide range of applications and industries. We have more than 5,000 industrial references for catalytic oxidation, SCR, catalytic particulate filtration, ammonia oxidation and N<sub>2</sub>O reduction catalysts, making Umicore the right partner for a cleaner and decarbonized world.

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