Johnson Matthey exhaust air treatment catalysts convert pollutants into substances which either are environmental benign (e.g. water vapor, nitrogen) or have no restrictions on discharge. At our Fabrication Plant in Redwitz, Germany, which also produces our SINOx® catalytic converters for NOx reduction, we fabricate two types of oxidation catalysts: pellet type oxidation catalysts for low dust applications and honeycomb type oxidation catalysts for high dust exhaust air. Both types operate with a high cleaning efficiency and reliably reduce the concentration of organic or inorganic substances to well below Air Pollution Control Code limits.

Typical applications for SINOx® oxidation catalysts from Johnson Matthey are beneath others the solvent producing and processing industry (removal of organic compounds), soil decontamination (removal of hydrocarbons, chlorinated hydrocarbons, inorganic compounds like CO and NH3 and dioxins/furans) or exhaust air from industrial incineration plants and crematories. Further applications are removal of odorous compounds caused by thermal treatment of textiles or the coffee roasting industry.
Features and Benefits

Johnson Matthey fabricates high active mixed oxide catalysts being more cost-effective than precious metal catalysts. The pellet or honeycomb type catalysts are individually designed for removal of organic compounds like hydrocarbons and chlorinated hydrocarbons or inorganic pollutants like ammonia, hydrogen sulfide or carbon monoxide. During oxidation of hydrocarbons or ammonia nearly no formation of CO or NO can be detected.

With SINOx® oxidation catalysts Johnson Matthey offers a compact lightweight catalytic converter with high resistance to catalyst poisons and abrasion ensuring a long service life. The high long-term cleaning efficiency at low reaction temperatures and low pressure loss results in low energy consumption and therefore minimized operation costs.

Johnson Matthey SINOx® oxidation catalysts can also easily be combined with precious metal catalysts.

Please contact us for further inquiries:

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