

PremAir® Catalysts

Ozone destruction catalysts

PremAir is the first commercial product that destroys harmful, ground-level ozone already in the air and converts it into oxygen. PremAir catalysts have been successfully installed on over 3 million automotive radiators throughout the world.

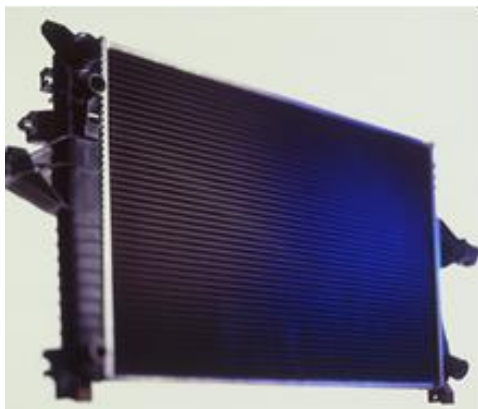
Depending upon the conditions, PremAir can destroy 75 percent or more of the ozone that touches the PremAir-coated radiator surface, converting ozone molecules (O_3) into oxygen (O_2) molecules. There is no significant impact on cooling or other performance attributes of the radiator.

PremAir PZEV Credit Certified

Having recognized the air quality benefits of PremAir-equipped automotive radiators, environmental regulators, such as CARB in California, have established programs to allow vehicle manufacturers to use PremAir in meeting emissions standards.

PremAir Green

Where regulatory compliance is not needed, PremAir Green is a cost-effective option for vehicle manufacturers to demonstrate commitment to a clean environment and a responsible environmental policy.



What is ground-level ozone?

According to the U.S. Environmental Protection Agency (EPA), in the Earth's lower atmosphere, near ground level, ozone is formed when pollutants emitted by cars, power plants, industrial boilers, refineries, chemical plants and other sources react chemically in the presence of sunlight. Ozone pollution is a special concern during summer months when the weather conditions needed to form ground-level ozone – lots of sun and hot temperatures – normally occur.

The American Lung Association reports that half of the U.S. population breathes unhealthy levels of ozone some time during the year. Millions of people living in urban areas around the world are similarly exposed.

About Us

BASF's Catalysts division is the world's leading supplier of environmental and process catalysts. The group offers exceptional expertise in the development of technologies that protect the air we breathe, produce the fuels that power our world and ensure efficient production of a wide variety of chemicals, plastics and other products, including advanced battery materials. By leveraging our industry-leading R&D platforms, passion for innovation and deep knowledge of precious and base metals, BASF's Catalysts division develops unique, proprietary solutions that drive customer success.

BASF - We create chemistry

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