

What are Sulfur oxide gases? SOx (SO2)



Sulfur dioxide, or SO₂, belongs to the family of sulfur oxide gases (SO_x). These gases dissolve easily in water. Sulfur is prevalent in all raw materials, including crude oil, coal, and ore that contains common metals like aluminum, copper, zinc, lead, and iron. SO_x gases are formed when fuel containing sulfur, such as coal and oil, is burned, and when gasoline is extracted from oil, or metals are extracted from ore. SO₂ dissolves in water vapor to form acid, and interacts with other gases and particles in the air to form sulfates and other products that can be harmful to people and their environment.

How do Sulfur oxide gases affect the environment?

SO₂ causes a wide variety of health and environmental impacts because of the way it reacts with other substances in the air. Particularly sensitive groups include people with asthma who are active outdoors and children, the elderly, and people with heart or lung disease. These Impacts include:

- Respiratory Effects from Gaseous SO₂
- Respiratory Effects from Sulfate Particles
- Visibility Impairment
- Acid Rain Plant and
- Water Damage
- Aesthetic Damage

Standards - Norms

- [Brochure VDMA - Emission Standards](#)
- [SOx \(Sulfur\) Content of Fuel](#)
- [Visit the bsp; download section bsp;for more documents/papers about emission standards](#)

- If we can help you with a tailor made solution to fulfill your demands in emission reduction, please [contact us](#) . Also for any questions regarding this subject we are glad to answer you as good as possible. [Contact us](#)



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