

**PRODUCT DATA SHEET****SULFUR DIOXIDE****CAS No. 7446-09-5**

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**CHEMICAL COMPOSITION**Sulfur dioxide, wt%  
Non-volatiles, ppm  
H<sub>2</sub>SO<sub>4</sub>, ppm  
Moisture, ppm**SPECIFICATION**99.9 min  
50 max  
25 max  
100 max

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**PHYSICAL PROPERTIES**Boiling point at atmospheric pressure 14° F  
Critical temperature 314.8° F  
Critical pressure 77.7 atm.  
Specific gravity of liquid at 32° F (water = 1) 1.43  
Specific gravity of gas at 32° F and 1 atmosphere (air = 1) 2.26  
Density of gas at 32° F and 1 atmosphere 2.92 kg/m<sup>3</sup>  
Viscosity of liquid at 32° F 0.39 centipoiseProduct meets FCC specifications and is also Kosher and NSF certified

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**DELIVERY MODE:** Shipped in insulated tank cars and tank trucks as a liquid under pressure.

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**PRODUCT SAFETY INFORMATION**Contact will cause burns to eyes and skin due to its inherent freezing effect. Sulfur dioxide gas is irritating to the throat and upper respiratory system and can cause suffocation. Anhydrous sulfur dioxide is non-corrosive to steel or other commonly used metals. Corrosiveness greatly increases with moisture.

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**APPLICATIONS INCLUDE:**

- Dechlorination in municipal wastewater, pulp & paper, and textile water treatment plants
- Oxygen scavenger
- Reducing agent
- Preservative
- Used in production of cleaning agents, detergents, and soaps
- Intermediate to sulfur trioxide, oleum, and sulfuric acid

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