

BISULPHITE

Meaning: Bisulphite is a chemical compound containing the bisulfite ion (HSO₃⁻) commonly used as a preservative and reducing agent in various applications, including food preservation.

1. Bisulphite is often used in the preservation of fruits and vegetables.
2. The chemical properties of bisulphite make it an effective reducing agent.
3. In winemaking, bisulphite is added to prevent spoilage from unwanted bacteria.
4. Many bakers use bisulphite as a flour treatment agent to improve dough quality.
5. When dissolved in water, bisulphite releases sulfur dioxide, which acts as a disinfectant.
6. The use of bisulphite in photography helps to stabilize the images during development.
7. Some individuals may have allergic reactions to foods containing bisulphite as a preservative.
8. In laboratories, bisulphite is utilized for the modification of DNA and RNA samples.
9. Environmental regulations often limit the discharge of bisulphite into natural water bodies.
10. Researchers are exploring new applications for bisulphite in renewable energy technologies.

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