

What are sulphur sols?

Sulphur sols are highly dispersed sols which contain about 0.08% of sulphur. They are prepared by reduction of sulphur dioxide by hydrogen sulphide gas. It can also be obtained by passing extremely heated sulphur vapour into water that is air free. Large aggregates of Sulphur will be formed as S₈ molecules.

How a sulphur Sol is formed?

Sulphur sols are highly dispersed sols containing nearly 0.08% of sulphur and are prepared by reduction of sulphur dioxide. It can also be prepared by passing a very hot sulphur vapour into water that is air free. A large aggregate of sulphur would be formed. During the formation of sol large aggregates are formed.

Is sulphur soluble in water?

Sulphur is insoluble in water. However, it is soluble in carbon disulphide and to a lesser extent in other organic solvents such as benzene and toluene. A noteworthy property of sulphur is its insolubility in water. Sulphur burns with a blue flame that emits sulphur dioxide, notable for its peculiar suffocating odour.

What are the properties of sulphur?

Sulphur has several noteworthy properties. In its molten state, it exhibits a high viscosity and the formation of polymer chains when temperature increases above 200 °C. Additionally, the molten sulphur turns dark red above this temperature.

Is sulphur an element?

Sulphur is a soft, bright yellow element which is solid at room temperature and which occurs naturally. Until the late 18th century, sulphur was incorrectly thought to be a compound. Sulphur (from Latin sulfur or sulphur) was known in ancient times but the name itself is probably from the Arabic *sufra*, meaning 'yellow'.

Where is sulphur naturally found?

In its natural form, sulphur is found near hot springs and in volcanic regions. Large sulphur deposits are found along the Pacific's 'Ring of Fire'. At high temperature, sulphur produces long polymer chains which are responsible for its high viscosity.

Sulphur sol contains an aggregate of thousands of S₈ sulphur molecules. If large number of atoms or smaller molecules of a substance aggregate together to form particles having size in ...

Sulfur sol is an intriguing substance, commonly used as an analogy to explain colloidal systems in chemistry. As an educator, it's my goal to ensure that when you think of sulfur sol, you ...

Technically, sulfur sol is a colloid containing, not solitary sulfur atoms, nor discrete, separate sulfur molecules, but rather something much more fascinating--aggregates. These aggregates are ...

Hint: A sol is a type of colloid that has solid particles suspended in a liquid medium. Explanation: Sulphur sols are highly dispersed sols containing nearly 0.08% of sulphur and are prepared by ...

Sulphur sol contains (1) Discrete S-molecules (2) Water dispersed in Solid Sulphur (3) Discrete S-atoms (4) Large aggregates of S-molecules

Therefore, cations and especially multivalent cations are able to precipitate the sol particles. While hydrophilic sulfur sols can be prepared with sulfur concentrations of up to 600 g l⁻¹, ...

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The correct answer is Sulphur sols are highly dispersed sols that contain about 0.08% of sulphur. In sulphur sol, large number of S₈ molecules aggregate such that the size of aggregate ...

dimension. For example sulphur sol contains aggregates of S₈ molecules which fall in colloidal dimension. (iii) These are substances which behave as normal electrolyte at low ...

Sulphur sol contains (1) Discrete S-molecules (2) Water dispersed in Solid Sulphur (3) Discrete S-atoms (4) Large aggregates of S-molecules LIVE Course for free Rated by 1 ...

Sulphur sol contains. A. Discrete sulphur atoms. B. Discrete sulphur molecules. C. Water dispersed in solid sulphur. D. Large aggregates of sulphur molecules. Hard. Open in App. ...

Sulphur sols are highly dispersed sols which contain about 0.08 % of sulphur. They are prepared by reduction of sulphur dioxide by hydrogen sulphide gas. It can also be obtained by passing ...

Therefore, the correct answer is that sulphur sol contains large aggregates of sulphur molecules. In LaTeX format: `\textbf{Step 3/4Step 1:}` In a sol, molecules aggregate together to form particles.

Sulphur sol contains : A. discrete s-atoms B. discrete s-molecules C. large aggrements of s-molecules D. water dispersed in solid sulphur LIVE Course for free Rated by ...

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Sulphur sol contains large aggregates of sulphur molecules . It is lyophobic in nature because it is unstable. Sulphur sol consists of particles containing a thousand or more of S₈ sulphur ...

Sulphur sol contains. A. Discrete sulphur atoms. B. Discrete sulphur molecules. C. Large aggregates of sulphur molecules. D. Water dispersed in solid sulphur. Views: 769 students. ...

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Sulphur sol contains : A. discrete sulphur atoms B. Discrete sulphur molecules C. Large aggregates of sulphur molecules D. Water dispersed in solid sulphur. class-11; surface ...

Sulphur sol contains large aggregates of sulphur molecules such that the size of aggregate come in colloidal range. Was this answer helpful? 0. Similar Questions. Q1. When a sulphur sol is ...

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