Solar panels use sodium pyroantimonate

Budget 2026 removes customs duty on sodium antimonate, a key input for solar glass. The move is expected to support PV glass makers by easing costs, improving margins and strengthening domestic competitiveness.

Sodium antimonate has a much lower tinting strength than antimony trioxide, along with lower arsenic and lead content, making it superior for use as a low-tinting flame retardant in plastics.

Sodium pyroantimonate acts as a catalyst in certain chemical reactions, particularly in the synthesis of antimony compounds. This accelerates processes and reduces energy consumption.

Sodium pyroantimonate is primarily used as a clarifier and defoamer for photovoltaic solar glass and kinescope glass for black and white and color display screens.

They observed that increasing the reaction temperature and the partial pressure of oxygen could enhance the efficiency of antimony precipitation. Therefore, the final rate of sodium pyroantimonate ...

The invention discloses a sodium pyroantimonate for photovoltaic glass and a preparation method thereof.

An mony compounds (an mony trioxide, Sb2O3, or sodium an monate NaSbO3) are added to a batch, at the 0.1--1 wt% level, to increase light transmission in paterned solar glass. An mony exists as an ion within the ...

As demand grows for high-quality glass (e.g., in renewable energy applications like solar panels) and advanced ceramics (e.g., in medical devices), sodium pyroantimonate will play an even more vital role.

In the glass manufacturing industry, sodium pyroantimonate and antimony trioxide is also used to manufacture a variety of properties and uses of glass, such as optical glass, infrared transmission glass and chemical fiber ...

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