

Question:

Chemistry

Peroxyacetyl nitrate is a

- 1 secondary pollutant
- 2 acidic dye
- 3 plant hormone
- 4 vitamin

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Concept:

Peroxyacetyl nitrate is a **peroxyacetyl nitrate** . *It is a secondary pollutant present in photochemical smog* . It is thermally unstable and decomposes into peroxyethanoyl radicals and nitrogen dioxide gas. It is a lachrymatory substance, meaning that it irritates the lungs and eyes.

Peroxyacetyl nitrate, or PAN, is an oxidant that is more stable than ozone. Hence, it is more capable of long-range transport than ozone. **It serves as a carrier for oxides of nitrogen (NO_x)** into rural regions and causes ozone formation in the global troposphere.

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* Some Hindi Fonts are not rendered properly.

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