

PERCHLORATE

Meaning: Perchlorate is a chemical compound containing the perchlorate ion (ClO_4^-), often used as an oxidizer in rocket propellants and known for its potential environmental contamination, particularly in water sources.

1. The environmental impact of perchlorate contamination in water sources has raised significant concerns among researchers.
2. Perchlorate is commonly used as an oxidizer in rocket propellants and has been detected in various soil samples.
3. Regulatory agencies are working to establish safe limits for perchlorate levels in drinking water due to its potential health risks.
4. Scientists are developing methods to remediate perchlorate from contaminated sites to protect public health.
5. Recent studies have indicated that perchlorate can affect thyroid function, particularly in vulnerable populations.

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