

Important mining sources

Thorium

radioecology

Key sources of radioisotopes

- Nuclear cycle: Nuclear power plants, reprocessing, waste
- Natural sources: Yes
- ◆ Fallout: No
- Others: Gas mantle (industrial) and thorotrast medical)
- Nuclear accidents: No



IRSN Th factsheet IRSN Th health sheet



Why is it of interest?

- It is a naturally occurring element; enriched in certain minerals (e.g., monazite).
- Th-232 (13.9 Gyr) heads one of the three natural decay chains, with a number of dosecontributing daughters
- Radio and chemically toxic
- Potential fuel for new generation nuclear reactors