



## Liquid Nitrogen

[Source: TH](#)

The **Tamil Nadu Food Safety Department** has issued a circular on the use of liquid nitrogen saying the substance can only be used to preserve **packaged food**, and use other than this is prohibited.

- **Liquid nitrogen** is primarily used as **Food Preservatives** as it increases shelf-life of packaged foods.
  - It **expands** 700 times when it evaporates, displacing oxygen in the food pack and preventing microbial action, improving shelf life and freshness.
  - It is an **Inert, colorless, odorless cryogenic fluid**.
- It is also used in [cryotherapy](#) for [cancer](#) treatment. It can treat many cancers, including those of skin, bone, breast, cervical, eye, kidney, liver, lung, and prostate.

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