





Answer to Question #50976, Chemistry, Inorganic Chemistry

Why N₂ is kept in brown bottle?

Answer:

According to international main gases hazard classification, N₂ is non-flammable, non-toxic, non-oxidising, and is resistant to chemical action under normally encountered conditions, so it has been agreed to keep it in brown bottle.

Class Diamonds	Australian Standards Definition	Cylinder Colour Identification*
 Toxic	A gas that is known to be a) toxic or corrosive to humans as to pose a hazard to health; or b) presumed to be toxic or corrosive to humans because it has an LC 50 value equal to or less than 5000 ml/m ³ (ppm).	Hues of Yellow
 Flammable	A gas which will burn in air at a pressure of 101.3 kPa absolute.	Hues of Red
 Oxidising	A gas which gives up oxygen readily, removes hydrogen from a compound, or readily accepts electrons.	Hues of Black, White, or bright Blue
 Non-flammable, non-toxic	A gas which is non-flammable, non-toxic, non-oxidising, and is resistant to chemical action under normally encountered conditions.	Hues of Brown, Green or dark Blue