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2-Nitropropane

National Cancer Institute

Source

National Cancer Institute. *2-Nitropropane*. NCI Thesaurus. Code C44313.

A synthetic, flammable, colorless liquid that is slightly soluble in water, and miscible with most aromatic hydrocarbons, ketones, esters, ethers and the lower carboxylic acids. It is used primarily both as a chemical intermediate and as a solvent for numerous commercial products. 2-Nitropropane is also used as a component of explosives and propellants, and in fuels for internal combustion engines. The primary routes of potential human exposure to 2-nitropropane are dermal contact, inhalation, and ingestion. Contact with this compound can cause irritation of the eyes and skin. Acute inhalation exposure to low levels of 2-nitropropane vapors can result in irritation of the respiratory tract. Breathing higher levels of this chemical may cause anorexia, nausea, vomiting and diarrhea. It is reasonably anticipated to be a human carcinogen. (NCI05)