

Product Data Sheet

NITROBENZENE

Product Description

Nitrobenzene is produced industrially by nitration benzene with sulphuric acid , nitric acid and water

Applications:

Nitrobenzene is commonly used to manufacture:

One of the major uses for nitrobenzene is for the production of aniline, which is a chemical intermediate used during the manufacture of polyurethane foam.

Nitrobenzene is also used industrially in manufacture of some dyes, rubbers and pharmaceuticals(it is an important component in the production of paracetamol).

Nitrobenzene is also used as a constituent in some polishes and paint solvent and as a solvent in the refining of petroleum.

Historically nitrobenzene was used in perfumes and as a flavouring known as artificial oil of bitter almonds due to its strong odour. This use of nitrobenzene has long been discontinued due to its toxicity.

| Property | Specification | Analytical Method |
|--------------------------------|---------------|-------------------|
| Appearance @30° C | Pale Yellow | Visual |
| Nitrobenzene (Wt%) | 99.2 ± 0.2 | GC-1-2-.9.3-1008 |
| Benzene (ppm by weight) | Max. 600 | 1-2-.9.3-1008 |
| Dinitrobenzene (ppm by weight) | Max. 1000 | 1-2-.9.3-1008 |
| Water | Balance | 1-2-.9.3-1004 |

• Handling and storage conditions

Do not break dust .Do not breathe vapours or spray mist. Do not get in eye , on skin, or on clothing. Use only in area provided with appropriate exhaust ventilation .keep container tightly closed .keep away from heat and source on ignition.

Store in tightly closed /properly vented containers with ventilated area from water ,moisture, humidity, and direct sunlight. Store and handling in CS is preferred

• Packing details

In 220 lit (200 kg Net) new steel drum . each 4 drums strapped on a wooden pallet)