



ANILINE

Property	Specification	Analytical Method
Appearance 30 °C	Clear liquid	Visual
Aniline Purity, %wt.	Min 99.8	GC/ 1-2.9.3-1015
Nitrobenzene, %wt.	Max 0.0005	GC/ 1-2.9.3-1013
Water, %wt.	Max 0.2	GC/ 1-2.9.3-1005
Freezing point	-6.2 °C	GC/ 1-2.9.3-1015
Colour, APHA	Max 100	GC/ 1-2.9.3-1006

⇒ The current manufacturing technology of Aniline is based on the Hydrogenation of Nitrobenzene.

■ Application areas

Aniline is used to manufacture:

- ✓ Aniline has various uses - it is used to prepare other chemical substances to make polymers, and as we mentioned earlier, it is used in the dye industry as well. In this section, we will learn all about the uses of aniline.
- ✓ Aniline is predominantly used as a chemical intermediate for the dye industries.
- ✓ Aniline is predominantly used as agricultural industries.
- ✓ Aniline is predominantly used as rubber industries.
- ✓ Aniline is predominantly used as polymer industries.
- ✓ Aniline is predominantly used as a solvent, and has been used as an antiknock compound for gasolines.

■ Handling and storage conditions

Prior to working with Aniline you should be trained on its proper handling and storage.

Aniline reacts violently with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE) and STRONG ACIDS (such as HYDROCHLORIC, SULFURIC

and NITRIC) and may cause fires and explosions.

Aniline is not compatible with ACETIC ANHYDRIDE; CHLOROSULFONIC ACID; STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); ALKALIES (such as METAL HYDROXIDES and METAL CARBONATES); STRONG BASES (such as SODIUM HYDROXIDE and POTASSIUM HYDROXIDE); and TOLUENE DIISOCYANATES.

Store in tightly closed containers in a cool, well-ventilated area away from AIR, LIGHT and COPPER.

Sources of ignition, such as smoking and open flames, are prohibited where Aniline is used, handled, or stored in a manner that could create a potential fire or explosion hazard. Aniline attacks RUBBER, PLASTIC, and COATINGS.

■ Packing details

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

■ Licensor: Chematur