

ANILINE

Meaning: Aniline is an organic compound derived from benzene, characterized by an amino group attached to the benzene ring, commonly used as a precursor in the synthesis of dyes and pigments.

1. Aniline is commonly used as a precursor in the synthesis of dyes and pigments.
 2. The chemical structure of aniline consists of a benzene ring connected to an amino group.
 3. Due to its toxicity, aniline must be handled with care in laboratory settings.
 4. Aniline derivatives are widely utilized in the production of pharmaceuticals and agrochemicals.
 5. In the textile industry, aniline dyes are favored for their vibrant colors and fastness.
 6. The presence of aniline in a substance can indicate contamination in certain industrial processes.
 7. Researchers are exploring environmentally friendly methods to produce aniline from renewable sources.
 8. Aniline's distinctive odor can often be detected even at low concentrations.
 9. Safety data sheets recommend wearing protective gear when working with aniline.
 10. The discovery of aniline in the 19th century revolutionized the dyeing industry.
 11. Aniline is commonly used as a precursor in the manufacture of dyes.
 12. The chemical properties of aniline make it useful in various industrial applications.
 13. Safety precautions are essential when handling aniline due to its toxicity.
 14. Researchers are exploring new methods to synthesize aniline more efficiently.
 15. Aniline can be found in products ranging from rubber to pharmaceuticals.
 16. The distinct odor of aniline can be detected even in low concentrations.
 17. In the laboratory, aniline is often used in organic chemistry experiments.
 18. Aniline derivatives play a crucial role in the development of certain pigments.
 19. Exposure to aniline can cause health issues, making proper ventilation important.
 20. The process of nitration can convert aniline into more complex aromatic compounds.
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