



Benzene

Product Stewardship Summary

Chemical Name:	Benzene
Synonyms:	Benzol, Benzole, 1,3,5-cyclohexatriene
CAS Number:	71-43-2
EC (EINECS) Number:	200-753-7
Revision number:	1-2024

- **Chemical identification and uses:** Benzene is an organic hydrocarbon that appears as a colorless, highly flammable and volatile liquid with a gasoline-like aromatic odor. It is usually found in crude oils and as a byproduct of oil-refining processes. In industrial applications, benzene is used as a solvent, a chemical intermediate, and in the synthesis of numerous chemicals such as plastics, resins, nylon, and synthetic fibers. It can also be used to make some types of rubbers, lubricants, dyes, detergents, drugs, and pesticides.
- **Potential exposures:** Exposure to benzene can occur in industrial/manufacturing facilities, laboratories involved in chemical synthesis, and/or during consumer use where the chemical is handled (e.g. during fueling at a gasoline station). Workers, laboratory personnel, and consumers risk exposure primarily through inhalation of volatilized vapors; additional routes are skin and eye exposure. Good manufacturing and industrial hygiene practices should be followed to prevent or reduce contact. See the Safety Data Sheet (SDS) for additional information.
- **Human Health hazards:** Benzene may be fatal if swallowed and enters airways. Additionally, it causes skin irritation, serious eye irritation, and damage to organs through prolonged or repeated exposure. Benzene is a known mutagen and carcinogen, per NTP/IARC/ACGIH, and as such anyone that is exposed or concerned should get medical advice/attention immediately. One should refer to the Safety Data Sheet (SDS) for additional information and any protective information.
- **Environmental Health hazards:** Benzene could be toxic to aquatic life with long lasting effects. As a result, it should be locked up when stored and disposed of to an approved waste disposal plant after use. If the product contaminates rivers and lakes or drains, inform respective authorities.
- Please contact us at ESSPSCustomerCare@Honeywell.com for more information. Additional information may also be found at the following links:

[EPA - Benzene](#)

[Pubchem - Benzene](#)

This product stewardship summary is intended to give general information about the chemical or categories of chemicals addressed. It is not intended to provide an in-depth discussion of all health and safety information. Additional information on the chemical is available through the applicable Material Safety Data Sheet which should be consulted before use of the chemical. The product stewardship summary does not supplant or replace required regulatory and/or legal communication documents. Statements concerning use of our products are made without warranty that any such use is free of patent infringement and are not recommendations to infringe any patent.