

# 1,3-BUTADIENE



## DERIVED POLYMERS HAVE CRITICAL USES IN ELECTRIC AND ELECTRONICS APPLICATIONS

1,3-Butadiene is an important building block chemical and a critical chemical intermediate used in the manufacture of polymers such as synthetic rubbers and elastomers that are used to create many products that support critical electric and electronics needs, such as acrylonitrile-butadiene-styrene (ABS), adiponitrile, hexamethylenediamine-adiponitrile (HMDA), nylon resins, polychloroprene, styrene butadiene rubber, SBC elastomers, HS-SBC, MBS, polybutadiene impact polystyrenes, and Poly bd (hydroxyl-terminated polybutadiene resins). These products are used in the development of:



While 1,3-Butadiene is not sold or used directly by consumers, it is reacted/polymerized and may be further processed to create a range of materials that can be used to make consumer goods.

1,3-Butadiene is a critical building block chemical, and it is important that EPA considers the best available science in its risk evaluation under the Toxic Substances Control Act to avoid any potential disruptions in the production, manufacture, or transportation of many critical products.