

Rubber

Botanical Name: *Hevea brasiliensis*

Family: Euphorbiaceae

Common Name: India rubber, latex

Hindi Name: रबड़

Part Used: Latex, oil

Hevea brasiliensis is a tall deciduous tree growing to a height of up to 43 m (141 ft) in the wild. Cultivated trees are usually much smaller because drawing off the latex restricts their growth. The trunk is cylindrical and may have a swollen, bottle-shaped base. The native origin of rubber is the Amazon basin in South America, specifically the rainforests of Brazil, Venezuela, Ecuador, Colombia, Peru, and Bolivia. The primary commercial source of natural rubber is *the Hevea brasiliensis* tree, which is native to this region. Rubber is a vital material due to its wide range of applications, contributing significantly to various industries and daily life. Its importance stems from its unique properties, including elasticity, durability, and ability to be molded into various shapes. Rubber finds use in tires, medical devices, footwear, clothing, and numerous other products, impacting transportation, healthcare, manufacturing, and everyday consumption. Rubber is widely used in the medical field due to its versatility, durability, and biocompatibility. It's a key component in various medical devices and products, including surgical gloves, catheters, implants, and pharmaceutical packaging. Rubber is the Source of hevea or para rubber, oil used in soap making, paints, varnishes, and is effective against houseflies and lice