

(c) Density Mon of the simple others one less should dense in 18th, although the density increases with increasing relative mole contar mass and some of the anomale others are in fact dend) Boiling Point: the boiling point of others tonds to approximue those of hydrocarbons of the some relative molecular mass, for which it can be concluded that the molecules ove not associated in the liquid phase as there are no Suttably available hydrogen for association trough hydrogen (e) Reactivity There are evert at moderate temperature. Their energies at moderate temperatures lead to their wode use as reaction medag. 36) Tortial dehydration of alcohols Simple ethers are nanufactured from alcohols by catalytic deligation. The alcohol in excess and concentrated tetraoxo Suphrelli) and (H, 50g) is heated at a carefully maintained temperature of 140°C. This process is known as continous etter ification if excess alcohol is not used, and the temperature is as high as 170 - 180°c, purther dehydration to yield akene occaus. 2 CH3 CH2 OH Conc. H280es CH3 CH3 CH3 CH3 + A20 Mixed or simple ethers of definite structure many be synthesold by killiamson's synthesis. The process involves the classique ment of a halogen from an haloalkane by an alkokade Calkylis or phenoxide Cphented ion.

