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19 CH3OCH3 - Methoxymethomic b CH3CH2OCH2CH3 - Ethoxy ethane c (CH3CH2CH2CH2)2O - Butoxymethome d CH3CH2OCH3 - Ethoxymethome Methoxy ethane e CH2CH2CH2OCH2CH3 - Ethoxy propane

20 Physical States: They are colourtess, neutral liquids with a pleasant ordom at noon temperatures - The lower aliphatic ethers are

b Solubility ethers are more soluble in water than alkomols and one miscible in organic solvents

c Density: Most simple ethers are less dense than water, although the density marcases with marcasing relative molecular mass

d Baling point: Lower molecular mass ethers have a lower po boing point than the corresponding alcohols but those ethers containing alky! radicals longer than faus carbon atoms, the reverse is the.

are not found commonly in nature but the linkage is present in such matures products as sugars, stanches and cellulose

2 - Iso proposigor

39 Controlled catalytic hydration of define 29+3CH = CHa + H2O -> (CH3)2CH - O - CH (CH3)2

B From haloatkanes and dry Silver (1) oxide 2RX + Ag20 → R-O-R + 2AgX warm eg 2CH3CH2CH2CI + Ag20 Warm CH3CH2CH2O(CH2)2CH3 +24a proproxy propone 49 Ethylene oxide is used as an intermediate in the hydrolytic manufacture of ethylene glycol b Ethylene Oxide is used as a age gaseous sterilizing agent c Ethylene Oxide is used in preparation of nominic emulsibility agents, plastics, plasticizers and several synthetic textiles.