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DEPARTMENT: GEOLOGY

CHEMISTRY ASSIGNMENT

Ctt3 OCH3 -> Methoxy methane. I. cHg cH2 OCH2 CH3 -> Ethoxyethane . C cH3 cH2 cH2 (H2)2 0 ---> Butoxymethane. ctt3 ctt2 Octt3 ----> Methoxyethane. CH3 CH2 CH2 CH3 -> Ethoxy propone.

2.
L. Physical states : At room temperature, ethers are colourless, neutral
Liquids with pleasant colours. The Lower alignatic ethers are highly flammab
a sub- unstidiet
and the second s
sinchale a lover molecular weight ethers such as any
and a set all and the set the set of the set
an hudrearn bonds with the water morenares
content of the molecules increases, there is a more actine the
sourcible with the most organ solvents.
mast of the cimele others are less dense that which of
It the density increases with increasing relative molecular mass and some
in Fich Langer applie (pictor
the iow Malawlar mass ethers have a Lower wing
the corresponding alcohols but those ethers containing alkyl radicals Lorger
the corresponding alcohois but most since the boiling Bint of ethers
the corresponding alcontris but moveme is true. The boiling Point of ethers than tour carbon atoms , the reverse is true. The boiling Point of ethers
there of Luterenergies of Sunc letter
in and it is that the molecules and
the liquid phase as there are no suitably available hydrogen for association
through hydrogen bonds.
V. Reactivity: Ethers are inert moderate temperature. Their Inertness at
v. Reactivity: Ethers are mere wide use as reaction media.
3. Partial dehydration of alcohols: simple ethers are manufactured from
3. Partial dehydration of allottos. Out of excess and concentrate
8. Partial dehydration of accords. Simile contract accords by catalytic dehydration. The accord in excess and concentrate

tetracacalismente CVID and is mented at a m community mexanine maintanced temperature of 140°C. this process is known as continues ether finations if excess atrobal is not used, the temperature is as high as ito is 0°0 further debydration to grieta oricerse Decurs 2ROH CONC HASON / MOR + HAD.

E samples ? 2 CH3 CH4 OH TONE H2 SOF / HOPE -> CHACKE- O- CHACKE+ H2O. It Williamson synthesis ! It is an important method of the preparation of symmetrical and asymmetrical ethers in Laborationes . in this memorid, an angl have is reacted with scatter alkaxide which reads to the service ben of ether. The reaction generally reliew the 502 mechanism to thimday

R-X + R- 0 Na - 7 R- 0- R + Na X a Lookela

As we know alkowldes are strong bases and they can react with me airy hander leading to elimination reactions . Williamson synthesis exhibits higher productively in the case of Annony airys mandes. In the case of Primary aiky haudes . In the case secondary alky haudes, elimination competes with substitution whereas, we observe the formation of elimation Products Only in the case of tertiary one airy i havides.

to Entrylere Oxide is used as an intermediate in the Nythongan hydrolytic

manufacture of entrytene gignol. IL Ethytene Oxide is used in the Preparation of nonionic emulaitying agents

Plastas, plasticizers and several synthetic toxicles.

In Ethylene Oxide is used as a gaseous sterilizing agent.