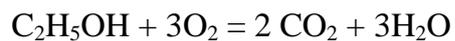


Reaction for this process is next:



As can you see the molar ratio is 1:3 (C₂H₅OH : O₂)

So if you have 15 mol of ethanol, you need 15*3=45.0 mol of O₂ to completely burn all your alcohol.