

## Alcohol and Disulfiram

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- ① Absolute Alcohol = 99% w/w Ethanol
  - ② Rectified spirit = 90% w/w ethanol produced by - fermentation of - Molasses\*
  - ③ proof spirit = whiskey + gun powder + Ignited = Explosives = proof strength
- # Pharmacological Action -
- ① Local Action = ① Rubefacient ② Astringent ③ Counter-Irritant ④ Antiseptic
  - ② C.N.S Effect = ① CNS Depressant ② Small dose = Euphoria, ↓ Anxiety  
③ Mood and feeling altered ④ Impair muscle co-ordination
  - ③ CVS Effect = (A) Small dose = ① Gastric vasodilation ② Skin is warmed & flushed.  
(B) Moderate = ① Tachycardia ② Mild ↑ in B.P. ③ Large = Myocardial Depression.
  - ④ Blood = ① Regular intake (small dose) = ↑ HDL cholesterol level.
  - ⑤ Body temperature = ① produce sense of warmth due to - Cutaneous and gastric vasodilation ② High dose = Depress temp. regulating center
  - ⑥ Respiration = Brandy or whiskey = Respiratory stimulant
  - ⑦ GIT = Irritant and ↑ gastric secretion (Appetizer) overdose = gastritis.
  - ⑧ Liver = Chronic use = Fatty liver, Enlargement of liver. (↑ Microsomal enzyme)
  - ⑨ Skeletal muscle = ↓ Fatigue ⑩ Kidney = Diuresis. (↓ ADH)
  - ⑪ Aphrodisiac = ↑ Sexual Behaviour.
  - ⑫ Endocrine = (Normal dose) = ↑ Adrenaline = ↑ Sympathetic effect (Hyperglycaemia)



## Mechanism of Action of Disulfiram

