Date:
Page:

Question No. 1

Chloro Fluoro-Carbon (CFC)

CFCs & hydrochlorofluorocarbons (HCFCs) are fully or partly ~~tago~~ halogenated paraffin hydrocarbons that contain only carbon (C) hydrogen (H) chlorine (Cl) & fluorine (F) produces as volatile derivatives of methane ethane & propane. they are also commonly known by the Dupont brand name freon.

The most common representative is dichlorodifluoromethane (R-12 or freon-12) many CFCs have been widely used as refrigerants propellants (in aerosol applications) and solvents. Because CFCs contribute to ozone depletion in the upper atmosphere the manufacture of such compounds has been phased out under the montreal protocal, & they are being replaced with other products such as hydrofluorocarbons (HFCs) [1] Including R-410A & R134a [2][3]

① AIR (R-729)

Properties —

(i) No cost involved easily available
(ii) Completely safe
(iii) Completely non-toxic

Date:
Page:

uses – It is used in aircraft refrigeration.

(2) Ammonia (R-717)

Properties –

→ It is highly toxic flammable irritating & food destroying

uses – It is widely used in large industrial & commercial reciprocating compression system where high toxicity is secondry.

→ It is used as the refrigerant in absorption system.