



Republic of the Philippines
Department of Environment and Natural Resources
Visayas Avenue, Diliman, Quezon City 1110
Tel. Nos.: (632) 929-66-26 to 29 • (632) 929-65-52
929-66-20 • 929-66-33 to 35
929-70-41 to 43

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ANNOUNCEMENT TO THE PUBLIC

The Department of Environment and Natural Resources (DENR), pursuant to the country's commitment to phase-out the consumption of Ozone-Depleting Substances under the Montreal Protocol on Substances that Deplete the Ozone Layer, is hereby encouraging all persons, whether natural or juridical, to substitute halon-containing fire extinguishers, suppressors and fire-fighting paraphernalia with transitional or ozone-friendly chemicals/substances.

The following is a list of acceptable substitutes that are available in the Philippines and are found under the U.S. EPA/SNAP (United States Environmental Protection Agency/Significant New Alternatives Policy) List:

| CHEMICAL NAME | ASHRAE | PHASEOUT SCHEDULE/REMARKS |
|--|--|-----------------------------|
| Hexafluoropropane | HFC-236fa | No phaseout/alternative |
| Heptafluoropropane | HFC-227ea | No phaseout/alternative |
| Dichlorotrifluoroethane | HCFC-123 | 2040/transitional substance |
| Mono ammonium phosphate ammonium sulfate | ABC dry chemical | No phaseout/alternative |
| Aqueous film forming foaming | AFFF | No phaseout/alternative |
| Inert gases | Combination of argon, nitrogen and CO ₂ | No phaseout/alternative |
| Foam | | No phaseout/alternative |
| Carbon dioxide | CO ₂ | No phaseout/alternative |
| Water based systems | Conventional sprinklers | No phaseout/alternative |
| Trifluoromethane | HFC-23 | No phaseout/alternative |

Lastly, please be informed that under the Handover Protocol for the Halon Management Program (PH1/95/G.64) of the government, Excelta Trading Corporation is the recognized entity to recover halon. The Handover Protocol was signed by the United Nations Development Program (UNDP), the Government of the Philippines and the Excelta Trading Corporation on 18 September 2000.

For the information and guidance of the public.


FRANCISCO S. BRAVO

Senior Undersecretary and POD National Coordinator

Let's Go Green!