



Halotron® I Clean Agent

HCFC PHASE-OUT QUESTIONS

JUST THE FACTS

MYTHS	FACTS
<p>Myth: “Halotron® I will be phased out.” →</p>	<ul style="list-style-type: none"> ▪ There is no “phase-out” of Halotron® I. ▪ Under the Montreal Protocol, there is a schedule for “phase-out” of new production of HCFCs. Halotron® I uses HCFC-123 as its primary raw material. However, after new production of HCFC-123 ceases, <u>new</u> Halotron® I may be produced using recycled HCFC-123. ▪ Although the maximum allowable total production and import of <u>all</u> HCFCs as a group was reduced by 35% in 2004, and will be reduced further in 2010, this does not affect the production volume or availability of HCFC-123. This is because HCFC-123 has a very low ozone depletion potential (ODP) of 0.0098.
<p>Myth: “Extinguishers containing Halotron® I will be banned from use in 2015.” →</p>	<ul style="list-style-type: none"> ▪ The U.S. “phase-out” date of January 1, 2015 for new production of HCFC-123 does not affect Halotron® I’s use in existing extinguishers and new extinguishers may still be produced.
<p>Myth: “Halotron® I will not be available after 2015.” →</p>	<ul style="list-style-type: none"> ▪ Halotron® I can be made from recycled or existing inventories of HCFC-123. HCFC-123 is used in much higher volume in non fire protection uses so that the pool of material available in the future for fire protection should be more than adequate. ▪ New HCFCs can be manufactured for purposes other than fire protection in the U.S. after 2015.
<p>Myth: “Halotron® I has a high Global Warming Potential (GWP).” →</p>	<ul style="list-style-type: none"> ▪ Halotron® I has a low, EPA approved, ozone depletion potential (ODP) and a low GWP and is considered to have the least environmental impact of any available in-kind Halon 1211 replacement (1). However, the GWP of another available UL listed clean agent, HFC-236fa, is 9,810 (2). When comparing extinguishers of the same capacity, it would take more than 45 Halotron® I extinguishers to equal the GWP effect of <u>only one</u> extinguisher of the same weight containing HFC-236fa.

HALOTRON® I IS AN ENVIRONMENTALLY BALANCED FIRE EXTINGUISHING AGENT

(1) Ref.: Wuebbles, *Three-Dimensional Modeling of HCFC-123 in the Atmosphere: Assessing Its Potential Environmental Impacts and Rationale for Continued Use*, Journal of Environmental Science & Technology, 2009, 43, 3208-3213.
 (2) Ref.: WMO Report No. 50, Scientific Assessment of Ozone Depletion, 2006, 100 year integrated time horizon (CO₂=1).