

ARGONITE  
ENVIRONMENTALLY **FRIENDLY** SUPPRESSION **SYSTEM**

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ABSTRACT

Argonite is a gaseous fire extinguishing medium consisting of a mixture of Argon and Nitrogen. As both gases **are** present in the atmosphere in significant concentration, ARGONITE is a non-polluting, non-ozone depleting, and non-greenhouse effect gas.

Total flooding applications of ARGONITE extinguish fires by reducing the atmospheric oxygen content to a level too low to support combustion but high enough to support life. A typical fire requires an oxygen content of approximately 15% to maintain combustion. A properly designed ARGONITE system will reduce the oxygen content to 10% - 12% which will extinguish the fire but will present no health hazards to room occupants. ARGONITE contains no CO, which has been shown to cause hyper-ventilation which increases the risk of smoke inhalation and also causes significant stress on the heart through tachycardia.

The density of ARGONITE is very similar to air, thus it tends to disperse very slowly. In a typical closed room the ARGONITE's inerting capacity will be maintained for up to thirty minutes which provides time for the area to cool, and limits the chance of reignition.