LETTER TO THE EDITOR

November 1, 2000

Re: Article in Vol. 10, No. 4 of the Journal

I found the paper titled "An Investigation into the Migration of Propane in Confined Spaces" by P. Lagus and R. Grot to be very interesting. However, I do have a concern; in the sixth paragraph of the Introduction, the authors state in the third sentence that " CO_2 is non-toxic." I believe this statement to be in error, my education has always pointed to CO_2 as being very toxic to humans. Has something changed?

Robert M. Rogers, P.E. Earthquake Loss Prevention Specialist San Francisco Operations

AUTHOR'S RESPONSE

December 29, 2000

Quoting from the Matheson Gas Data Book, Sixth Edition: "Carbon dioxide is generally regarded as a simple asphyxiant. Symptoms result only when such high concentrations are reached that there is insufficient oxygen in the atmosphere to support life."

An asphyxiant can be hazardous to human health and not be a toxic substance. For instance, nitrogen, argon and xenon are also simple asphyxiants. This does not make them toxic substances. I hope this clears up any misunderstanding on the part of Mr. Rogers.

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