

Is Aerosol-Based Duct Sealing Safe?

Summary of Health Issues Relating to "Duct Seal"

Two chemicals have been identified in "Duct Seal". They are vinyl acetate polymer (VAP) and 2-ethyl-1 hexanol (2E1H).

The main chemical, that which is left in the duct system, is VAP. This is a non-volatile form of vinyl acetate monomer (VAM) which has been used in water-based paints, adhesives, and hair spray. VAP itself has been used as a chewing gum base.

VAP has no OSHA permissible Exposure Limit and does not sustain combustion (but one would not like to breath the smoke it produces when put to a flame).

2E1H is a common industrial solvent and is not considered toxic by OSHA. A review of the literature shows no ill effects after long term exposure to concentrations of 200 ppm. The largest concentration of 2E1H measured in test houses has been 1 ppb. This was in a house where the doors and windows were closed and the aerosol was allowed to create a "foggy" look in the air.

One should never spray "Duct Seal" onto plants, animals, or other substances which should not get an adhesive coating.

"Duct Seal" has been tested by U.L. for mold growth and will be monitored periodically by U.L. to assure continued quality.