



SIMPLE... SEE AND UNDERSTAND THE SAFETY FACTS

1. Read Below
2. See Actual Tests For Proof

The formaldehyde question often comes up and we at Retrofoam are proud to be able to inform you on the matter. Because we have gone to great lengths to distinguish Retrofoam as THE SAFEST FAMILY FRIENDLY foam insulation on the market we are delighted to show our actual test. OSHA, an US government department sets ppm (parts per million) formaldehyde standards and oversees safety aspects at the workplace; which for you the workplace will be your home. This sheet will help you better understand ppm (parts per million) when you are comparing product testing.

To make the ppm scale easier to grasp and compare the test results think about parts per million as seconds in a year. For example, if you look at a one year period of time 1 millionth of a year is 31.55 seconds. That now means 1ppm=31.55 seconds in a year. This can be applied to OSHA ppm limits and to each product ppm level to help realize the major spread between them. See below.

OSHA sets an "ACTION LEVEL" limit of .5ppm on formaldehyde based products before it initiates certain required activities such as **exposure monitoring and medical surveillance**. This is equal to **16 seconds** out of a year. At a level of .5ppm (or 16 seconds) OSHA requires monitoring.

OSHA also says no employee shall be exposed to levels higher than .75ppm on average. This is equal to **23.66 seconds**. At .75ppm (or 23.66 seconds) personal protective equipment is required. Note just a difference of 7.66 seconds greatly changes the possible hazards of the product.

RetroFoam's test sets the ppm detection level at .016 or just **.5 a second** (Same as typical fresh air level), which is the strictest limit and no emissions were detected.

✓ **92% Lower than USA action level standard**

Applegate R-foam/CFI InsulSmart sets their test detection limits for formaldehyde in their test above OSHA's action limit at .63ppm or **20 seconds**

✗ **25% OVER USA action level standards**

Formaldehyde offgassing levels are set to be detected in Applegate/CFI's R-foam test at amounts that are 40 X times higher than that of the unchanged background limits of clean air in Retrofoam's test.

THAT'S WHY RETROFOAM IS THE SAFE AND RESPONSIBLE CHOICE

SEE THE FOLLOWING PAGES FOR THE ACTUAL TEST REPORTS

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Retrofoam's Official US Dept of Labor MSDS sheet supporting compliance to OSHA Standard 29CFR 1910.120

Note: Applegate/CFI products MSDS have been duplicated without 3rd Party review or oversight from an accredited source such as the US Department of Labor