

esLife Service Life Estimation Program

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Department: IMIA
Occupational Category: ESH
Exposure Group: Painters
Task Description: Calculate cartridge service life

Estimated Cartridge Service Life:

Cartridge	Description	Minutes	Hours	8-Hr. Shifts
75SC	75SCP100	433.87	7.231	0.904
N7500-1	7581P100	526.32	8.772	1.096
N7500-3	7583P100	437.31	7.289	0.911

Input Parameters for Exposure Conditions:

Contaminant [CAS #]: FURFURYL ALCOHOL [98-00-0]

8-hr TWA: 50 ppm
STEL: ppm
Ceiling: ppm
IDLH: 75 ppm
User Specified OEL: ppm
Worksite Concentration: 50 ppm

Contaminant [CAS #]: METHYL (n-AMYL) KETONE [110-43-0]

8-hr TWA: 100 ppm
STEL: ppm
Ceiling: ppm
IDLH: 800 ppm
User Specified OEL: ppm
Worksite Concentration: 100 ppm

Breathing Rate: Heavy - strenuous work on periodic basis (70 lpm)
Temperature: 90 °F
Humidity: 65% - 80%

Breakthrough: Results calculated at 10% breakthrough

Safety Factor: No change to final results

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