

### esLife Service Life Estimation Program

**Name:** Brian Cozby  
**EIN:** Interline 850 Part A  
**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	995.73	16.596	2.074
N7500-1	7581P100	1192.82	19.880	2.485
N7500-3	7583P100	997.31	16.622	2.078

#### Input Parameters for Exposure Conditions:

**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:** 61 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

#### Disclaimer of Warranty

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### esLife Service Life Estimation Program

**Name:** Brian Cozby  
**EIN:** Interline 850 Part B  
**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	587.50	9.792	1.224
N7500-1	7581P100	635.76	10.596	1.324
N7500-3	7583P100	546.84	9.114	1.139

#### Input Parameters for Exposure Conditions:

**Contaminant [CAS #]:** n-BUTYL ALCOHOL [71-36-3]

**8-hr TWA:** 100 ppm

**STEL:** ppm

**Ceiling:** ppm

**IDLH:** 1400 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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