

### esLife Service Life Estimation Program

**Name:** Brian Cozby  
**EIN:** Interline 925 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	620.94	10.349	1.294
N7500-1	7581P100	696.77	11.613	1.452
N7500-3	7583P100	591.79	9.863	1.233

#### Input Parameters for Exposure Conditions:

**Contaminant [CAS #]:** CYCLOHEXANONE [108-94-1]

**8-hr TWA:** 50 ppm

**STEL:** ppm

**Ceiling:** ppm

**IDLH:** 700 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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