

esLife Service Life Estimation Program

Name: Brian Cozby
EIN: Intergard 403 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	248.27	4.138	0.517
N7500-1	7581P100	302.80	5.047	0.631
N7500-3	7583P100	250.75	4.179	0.522

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

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: 210 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

The algorithm and database included in this program incorporate the best information currently available to North Safety Products, and are derived from published sources generally believed to be reliable. North makes no warranty or representation as to the accuracy, completeness or reliability of either the source material or the information resulting from the use of this program, and disclaims the implied warranties of merchantability and fitness for particular purpose, and all other warranties, express or implied.

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North Safety Products
2000 Plainfield Pike
Cranston, RI 02921 USA
Customer Service 1-800-430-4110
www.northsafety.com

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esLife Service Life Estimation Program

Name: Brian Cozby
EIN: Intergard 403 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	335.56	5.593	0.699
N7500-1	7581P100	376.88	6.281	0.785
N7500-3	7583P100	319.96	5.333	0.667

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: 210 ppm

Breathing Rate: Heavy - strenuous work on periodic basis (70 lpm)

Temperature: 90 °F

Humidity: 65% - 80%

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November 14, 2006

Luis Medina
IMIA
2798 Harbor Drive
San Diego, CA 92113-

Clayton Work Order No. 06110258

Reference:

Dear Luis Medina:

Clayton Group Services received 6 samples on 11/6/2006 for the analyses presented in the following report.

This is a preliminary report. Caution should be exercised in the use of any data presented.

This material is confidential and is intended solely for the person to whom it is addressed. If this is received in error, please contact the number provided below.

If you have any questions regarding these tests results, please feel free to contact a Client Services Representative at (800) 806-5887.

Sincerely,

Laura McMahon
Supervisor, Client Services

cc:

CASE NARRATIVE

Date: 14-Nov-06

Client: IMIA

Project:

Work Order No 06110258

Unless otherwise noted below, all quality control results associated with this sample set were within acceptable limits and/or do not adversely affect the reported results.

Unless otherwise indicated below, the industrial hygiene results have not been blank corrected.

ANALYTICAL RESULTS

Date: 14-Nov-06

Client: IMIA

Project:

Work Order No: 06110238

Sample Identification: DL4658

Date Sampled: 11/1/2006

Sample Type: 3M 3520 PM

Date Received: 11/6/2006

Lab Number: 001A

Sampling Time (min): 300

Analyst: SMF

Analyte	Sampling Rate (cc/min)	Analytical Results			Reporting Limit (µg)	Date Analyzed	Method Reference
		(µg)	(mg/m³)	(ppm)			
Methyl Amyl Ketone	27.9	1,200	150	31	3	11/10/2006	OSHA 7
n-Butanol	34.3	3,300	320	100	5	11/10/2006	OSHA 7
Trimethylbenzenes, Total	26.3	650	82	17	9	11/10/2006	OSHA 7

Sample Identification: DL4646

Date Sampled: 11/1/2006

Sample Type: 3M 3520 PM

Date Received: 11/6/2006

Lab Number: 002A

Sampling Time (min): 300

Analyst: SMF

Analyte	Sampling Rate (cc/min)	Analytical Results			Reporting Limit (µg)	Date Analyzed	Method Reference
		(µg)	(mg/m³)	(ppm)			
Methyl Amyl Ketone	27.9	890	110	23	3	11/10/2006	OSHA 7
n-Butanol	34.3	2,300	220	73	5	11/10/2006	OSHA 7
Trimethylbenzenes, Total	26.3	490	62	13	9	11/10/2006	OSHA 7

Sample Identification: DL4656

Date Sampled: 11/1/2006

Sample Type: 3M 3520 PM

Date Received: 11/6/2006

Lab Number: 003A

Sampling Time (min): 300

Analyst: SMF

Analyte	Sampling Rate (cc/min)	Analytical Results			Reporting Limit (µg)	Date Analyzed	Method Reference
		(µg)	(mg/m³)	(ppm)			
Methyl Amyl Ketone	27.9	2,400	290	61	3	11/10/2006	OSHA 7
n-Butanol	34.3	6,500	630	210	5	11/10/2006	OSHA 7
Trimethylbenzenes, Total	26.3	1,300	160	33	9	11/10/2006	OSHA 7

Date: 14-Nov-06

ANALYTICAL RESULTS

Client: IMIA

Project:

Work Order No: 06110258

Sample Identification: DL4875

Date Sampled: 10/29/2006

Sample Type: 3M 3520 PM

Date Received: 11/6/2006

Lab Number: 004A

Sampling Time (min): 300

Analyst: SMF

Analyte	Sampling Rate (cc/min)	Analytical Results			Reporting Limit (µg)	Date Analyzed	Method Reference
		(µg)	(mg/m³)	(ppm)			
Benzyl Alcohol	27.1	560	69	16	6	11/10/2006	OSHA 7
Methyl Amyl Ketone	27.9	900	110	23	3	11/10/2006	OSHA 7

Sample Identification: DL4826

Date Sampled: 10/29/2006

Sample Type: 3M 3520 PM

Date Received: 11/6/2006

Lab Number: 005A

Sampling Time (min): 300

Analyst: SMF

Analyte	Sampling Rate (cc/min)	Analytical Results			Reporting Limit (µg)	Date Analyzed	Method Reference
		(µg)	(mg/m³)	(ppm)			
Benzyl Alcohol	27.1	460	56	13	6	11/10/2006	OSHA 7
Methyl Amyl Ketone	27.9	810	96	21	3	11/10/2006	OSHA 7

Sample Identification: DL4667

Date Sampled: 10/29/2006

Sample Type: 3M 3520 PM

Date Received: 11/6/2006

Lab Number: 006A

Sampling Time (min): 300

Analyst: SMF

Analyte	Sampling Rate (cc/min)	Analytical Results			Reporting Limit (µg)	Date Analyzed	Method Reference
		(µg)	(mg/m³)	(ppm)			
Benzyl Alcohol	27.1	470	57	13	6	11/10/2006	OSHA 7
Methyl Amyl Ketone	27.9	840	100	22	3	11/10/2006	OSHA 7

General Notes:

<: Less than the indicated reporting limit (RL).

--: Information not available or not applicable.

Back sections (if applicable) were checked and showed no significant breakthrough unless otherwise noted.