

# SEFA 3 – 2010 LABORATORY WORK SURFACES

Performed for: SCAT Europe Gmbh

Item Tested: Basic Material / Solid Material PEHD-EL High-Density Polyethylene Electrically Conductive

Reference: Scientific Equipment & Furniture Association (SEFA)  
5th Edition Desk Reference – Version 2.0  
SEFA 3 2010



## Section 3 – 2010 Laboratory Work Surfaces

### Results:

2.1 Chemical/Stain Resistance  
See detailed results on attached form.

Four Level 3 conditions permitted      Rating:  Pass     Fail

There are zero ( 0 ) Level 3 conditions evident

COMPANY INFORMATION	TEST SUPERVISOR INFORMATION
Name: Cardinal Environmental, Inc.	Name: Art Lautenbach
Address: 3303 Paine Avenue	Title: Environmental Analyst
Sheboygan, WI 53081	Signature: 
Telephone: (920) 459-2500	COMPANY OFFICER INFORMATION
Fax: (920) 459-2503	Name: Jennifer Kester
Date: 12/13/2019	Title: Vice President
	Signature 

**CHEMICAL/STAIN RESISTANCE TESTING – 2.1**

Date of Test: 11/25/19	Sample Description: Basic Material / Solid Material	Type of Material Coated: PEHD – EL High-Density Polyethylene Electrically Conductive	Coating Type: Plastic Laminate
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Rating Scale: Level 0 - No Effect – No detectable change in the material surface  
 Level 1 – Excellent – Slight detectable change in color or gloss but no change in function or life of the surface.  
 Level 2 – Good – A clearly discernable change in color or gloss but no significant impairment of the surface life or function.  
 Level 3- Fair – Objectionable change in appearance due to discoloration or etch, possibly resulting in deterioration of function over an extended period of time.

#	Chemical	Rating	Comments
1	Amyl Acetate	0	No Effect - No Detectable Change in the Material Surface
2	Ethyl Acetate	0	No Effect - No Detectable Change in the Material Surface
3	Acetic Acid 98%	0	No Effect - No Detectable Change in the Material Surface
4	Acetone	0	No Effect - No Detectable Change in the Material Surface
5	Acid Dichromate 5%	0	No Effect - No Detectable Change in the Material Surface
6	Butyl Alcohol	0	No Effect - No Detectable Change in the Material Surface
7	Ethyl Alcohol	0	No Effect - No Detectable Change in the Material Surface
8	Methyl Alcohol	0	No Effect - No Detectable Change in the Material Surface
9	Ammonia Hydroxide 28%	0	No Effect - No Detectable Change in the Material Surface
10	Benzene	1	Excellent – A Slight Detectable Change in Gloss
11	Carbon Tetrachloride	1	Excellent – A Slight Detectable Change in Gloss
12	Chloroform	1	Excellent – A Slight Detectable Change in Gloss
13	Chromic Acid 60%	1	Excellent – A Slight Detectable Change in Gloss
14	Cresol	0	No Effect - No Detectable Change in the Material Surface
15	Dichloroacetic Acid	0	No Effect - No Detectable Change in the Material Surface
16	Dimethylformamide	0	No Effect - No Detectable Change in the Material Surface
17	Dioxane	0	No Effect - No Detectable Change in the Material Surface
18	Ethyl Ether	1	Excellent – A Slight Detectable Change in Gloss
19	Formaldehyde 37%	0	No Effect - No Detectable Change in the Material Surface
20	Formic Acid 90%	0	No Effect - No Detectable Change in the Material Surface
21	Furfural	0	No Effect - No Detectable Change in the Material Surface
22	Gasoline	0	No Effect - No Detectable Change in the Material Surface
23	Hydrochloric Acid 37%	0	No Effect - No Detectable Change in the Material Surface
24	Hydroflouric Acid 48%	0	No Effect - No Detectable Change in the Material Surface
25	Hydrogen Peroxide 30%	0	No Effect - No Detectable Change in the Material Surface
26	Tincture of Iodine	0	No Effect - No Detectable Change in the Material Surface

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#	Chemical	Rating	Comments
27	Methyl Ethyl Ketone	0	No Effect - No Detectable Change in the Material Surface
28	Methylene Chloride	1	Excellent – A Slight Detectable Change in Gloss
29	Monochlorobenzene	1	Excellent – A Slight Detectable Change in Gloss
30	Naptha VM&P	1	Excellent – A Slight Detectable Change in Gloss
31	Nitric Acid 20%	0	No Effect - No Detectable Change in the Material Surface
32	Nitric Acid 30%	0	No Effect - No Detectable Change in the Material Surface
33	Nitric Acid 70%	0	No Effect - No Detectable Change in the Material Surface
34	Phenol 90%	0	No Effect - No Detectable Change in the Material Surface
35	Phosphoric Acid 85%	0	No Effect - No Detectable Change in the Material Surface
36	Silver Nitrate, Saturated	0	No Effect - No Detectable Change in the Material Surface
37	Sodium Hydroxide 10%	0	No Effect - No Detectable Change in the Material Surface
38	Sodium Hydroxide 20%	0	No Effect - No Detectable Change in the Material Surface
39	Sodium Hydroxide 40%	0	No Effect - No Detectable Change in the Material Surface
40	Sodium Hydroxide, Flake	0	No Effect - No Detectable Change in the Material Surface
41	Sodium Sulfide, Saturated	0	No Effect - No Detectable Change in the Material Surface
42	Sulfuric Acid 33%	0	No Effect - No Detectable Change in the Material Surface
43	Sulfuric Acid 77%	0	No Effect - No Detectable Change in the Material Surface
44	Sulfuric Acid 96%	0	No Effect - No Detectable Change in the Material Surface
45	Sulfuric Acid 77% and Nitric Acid 70%, equal parts	0	No Effect - No Detectable Change in the Material Surface
46	Toluene	1	Excellent – A Slight Detectable Change in Gloss
47	Trichloroethylene	1	Excellent – A Slight Detectable Change in Gloss
48	Xylene	1	Excellent – A Slight Detectable Change in Gloss
49	Zinc Chloride, Saturated	0	No Effect - No Detectable Change in the Material Surface

Test Performed By: Art Lautenbach

Date: 11/25/2019

# SCAT Europe GmbH

Basic Material / Solid Material PEHD-EL High-Density Polyethylene Electrically Conductive

## SEFA 3

9	10	11	12	13	14	15	16	
17	18	19	20	21	22	23	24	
25	26	27	28	29	30	31	32	
33	34	35	36	37	38	39	40	
41	42	43	44	45	46	47	48	
49								