

HAZARD IDENTIFICATION AND RISK ASSESSMENT

Department: Painting

Issue Date: 25/05/2024

Records No:

Sl. No	Operation / Work Activities / Services	ROUTINE / NON ROUTINE	OH & S Hazards	Risk Involved	Source, Situation or Act	Emergency situation (Y / N)	Legal Concern (Y /N)	Base Risk Assessment			Base Risk Level	Acceptable / Not acceptable	Control in place & in use (A/B/C/D/E)	Final Risk Assessment		Final Risk Level	Acceptable / Not acceptable	Additional control required
								Severity	Probability					Severity	Probability			
A	Paint Shop																	
1	Storage of Paint	R	Spillage of paint and thinner on land	Slip may cause body injury	Situation	Yes	No	Potential to Emergency			Not Acceptable	C	1	2	3	Acceptable		
2		R	Improper storage of paint and thinner	Fire	Situation	Yes	No	Potential to Emergency			Not Acceptable	C	1	3	4	Not Acceptable	EPP # 1	
3	Loading of Material on Trolley	R	Exposure to recitative stress	muscular stretches / back pain	Situation	No	No	1	2	3	Acceptable	C	1	2	3	Acceptable		
4		R	Lifting of heavy loads	muscular stretches / back pain	Situation	No	No	1	2	3	Acceptable	C	1	2	3	Acceptable		
5		R	Exposure to sharp edges	Cut Injury		Source	No	No	1	3	4	Acceptable	E	1	1	2	Acceptable	
6	Primary Cleaning of Material	R	Chemical Hazard due to inhalation of cleaning chemicals	suffocation	Source	No	No		1	1	Acceptable	E	1	1	2	Acceptable		
7		R	Chemical Hazard due to	eye injury	Source	No	No	1	1	2	Acceptable	E	1	1	2	Acceptable		
8		R	Skin Exposure with Paint/ Chemical	dermatitis		Source	No	No	1	1	2	Acceptable	E	1	1	2	Acceptable	
9		R	Exposure to Dust	Breathing Effect		Source	No	No	1	1	2	Acceptable	E	1	1	2	Acceptable	
10	Painting in paint booth	R	Exposure to paint mist and fumes	Malfunctioning of respiratory system	Situation	No	No	1	1	2	Acceptable	E	1	1	2	Acceptable		
11		R	Exposure of skin to paint / thinner	dermatitis	Situation	No	No	1	2	3	Acceptable	E	1	1	2	Acceptable		
12		R	Fire Hazard	Burn/ fatal		Situation	Yes	No	Potential to Emergency			Not Acceptable	C	1	3	4	Not Acceptable	EPP # 1
13		R	Oxygen deficiency in paint booth	Breathing Effect		Situation	Yes	No	Potential to Emergency			Not Acceptable	C	1	4	5	Not Acceptable	EPP # 1
14	Paint mixing	R	Paint on skin	Skin irritation	Situation	No	No	1	3	4	Acceptable	E	1	1	2	Acceptable		
15		R	Paint mixing by hand	Skin irritation	Situation	No	No	1	3	4	Acceptable	E	1	1	2	Acceptable		
16		R	Skin cleaning with thinner	Skin irritation		Situation	No	No	1	2	3	Acceptable	C	1	1	2	Acceptable	
17	Paint usage	R	Use of lead containing paint	Lead accumulation in blood	Situation	No	No	1	2	3	Acceptable	E	1	1	2	Acceptable		
18	Spray painting in open area	R	pungent odour from paint	Head ache/ Irritation	Situation	No	No	1	2	3	Acceptable	C	1	1	2	Acceptable		
19		R	No proper storage near paint shop	risk of fire due to paint and thinner	Situation	No	No	1	3	4	Acceptable	E	1	1	2	Acceptable		
20		R	particles of paints mixes in air during spray painting operation	Inhalation causes lung blockages		Situation	No	No	1	3	4	Acceptable	E	1	1	2	Acceptable	
21		R	use of thinner for skin cleaning	Skin irritation		Situation	No	No	1	2	3	Acceptable	C	1	1	2	Acceptable	
22		R	Spray paint contact with eyes	Eye irritation		Situation	No	No	1	2	3	Acceptable	E	1	1	2	Acceptable	
23	Walking in Paint booth	R	Walking over unsecured pit	fall/ body injury	Situation	No	No	1	2	3	Acceptable	C	1	1	2	Acceptable		
24	Working in Paint Booth	R	Working in poorly illuminated area	eye stress	Situation	No	No	1	2	3	Acceptable	C	1	1	2	Acceptable		
		R	Using of Mobile phone in paint booth	Fire		Situation	Yes	No	Potential to Emergency			Not Acceptable	C	1	4	5	Not Acceptable	EPP # 1
25	Drying of Material after painting	R	Exposure to sharp edges	Cut Injury	Source	No	No	1	3	4	Acceptable	E	1	1	2	Acceptable		
26	Inspection of painted Material	R	Exposure to sharp edges	Cut Injury	Source	No	No	1	3	4	Acceptable	E	1	1	2	Acceptable		
27		R	Exposure to repetitive stress	muscular stretches / back pain	Situation	No	No	1	2	3	Acceptable	C	1	1	2	Acceptable		
28		Rectification of defect	R	Exposure to slippery surface	Slip/Trip	Situation	No	No	1	2	3	Acceptable	E	1	1	2	Acceptable	
29	Packing of finished goods	R	Exposure to repetitive stress	muscular stretches / back pain	Situation	No	No	1	2	3	Acceptable	C	1	1	2	Acceptable		
30	Hazardous Material / Waste Handling	storage and disposal																
31	Receipt of Material like paint , thinner and chemicals	R	Exposure to fumes and odour	Malfunctioning of respiratory system	Source	No	No	1	1	2	Acceptable	E	1	1	2	Acceptable		
32		R	Exposure of skin to Hazardous waste	dermatitis		Source	No	No	1	2	3	Acceptable	E	1	2	3	Not Acceptable	Work Instruction
33	Stacking of material in storage	R	Falling of material bins	body injury	Source	No	No	1	1	2	Acceptable	E	1	1	2	Acceptable		
34	Issue of Haz. Material	R	Exposure to fumes and odour	Malfunctioning of respiratory system	Source	No	No	1	1	2	Acceptable	E	1	1	2	Acceptable		
35		R	Exposure to paint thinner spillage	dermatitis		Source	No	No	1	2	3	Not Acceptable	E	1	1	2	Not Acceptable	Work instruction
36	Segregation of hazardous material waste	R	Exposure to paint thinner spillage	Slip/Trip	Source	No	No	1	2	3	Not Acceptable	E	1	1	2	Not Acceptable		
37	Disposal of Hazardous wastes as per govt. requirement	R	Physical hazards due to contact with machine	body injury	Situation	No	No	2	2	4	Not Acceptable	Emergency Buttons (C)	2	1	4	Acceptable		
38	General activities																	
39	Furniture and Seating arrangement	R	Ergonomically Hazard due to sitting posture at work stations	muscular stress in back improper	Act	No	No	2	2	4	Not Acceptable	C	1	1	2	Acceptable		
40		R	Ergonomically Hazard due to exposure to radiations from computer screens	eye stress		Source	No	No	1	2	3	Not Acceptable	C	1	1	2	Acceptable	
41		R	Physical Hazard due to defective chairs	minor body injury /fall		Situation	No	No	2	2	4	Not Acceptable	C	2	2	4	Not Acceptable	Regular Inspection

42	Office equipment handling	R	Electrical Hazard due to loose wiring	electric shock	Situation	No	No	3	1	4	Not Acceptable	C	3	1	4	Not Acceptable	Work Instruction
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