



Hazard Identification, Risk Assessment And Risk Control Register (HIRA)

Activity	Sub-activities	E / R / NR	Hazard	Hazard No	RISK	Present control Method By Substitution, Control, Personal protective equipment	Elimination, Engineering control, Administrative control	Legal	Evolution		Residual	Risk Level	Significant Hazard / Non Significant Hazard	Priority No		
									Probability	Consequence						
1) Material Kortraj	1) The containers are moved from store on trolleys from store dept. The chemicals are liquid & powder. present in the 20 lbs can & 25 kgs drum bags respectively & transported in P/T for basket trolleys. 2) Spraying the material in p/c shop with help of trolley & unbind it to its respective place.	R	Strain due to manual lifting	1	Ill health	provided two casual lift the can & bags				1	2	2	Low			
		R	Chemical can may fall on leg	2	Foot injury	safety shoes provided				1	2	2	Low			
		R	Chemical can may fall on leg	3	Foot injury	safety shoes provided				1	2	2	Low			
		R	Basket may fall on leg	4	Foot injury	pvc apron, nose mask, Hand gloves, safety goggles provided				1	2	2	Low			
		R	Chemical can spillage	5	Body injury	Gap avoid by providing MS plate welded to litter & shop floor				1	2	2	Low			
		R	Foot may come down between litter & shop floor	6	Foot injury	pvc apron provided, Hand shoe provided, pvc hand gloves provided				1	2	2	Low			
		R	Chemical may splash on body	7	Burn injury, Eye injury	Nose Mask Provided, Measuring & monitoring, Pumps Blower and scrubber provided.				2	1	3	2	Low		
		R	Fumes of chemical may be inhaled by operator	8	Ill health	fire extinguisher A/C gases provided				2	2	4	High		1	
		R	Chances of fire to PPR coated ducting due to over heating or short circuit	9	Burn injury	hanger handle Curve increase so that hanger can not fall				1	1	3	3	Medium		2
		R	hanger can fall down	36	Body injury	Measuring and monitoring of float checking frequently				Legal	2	2	4	Medium		5
2) Depressing (LUBRI)	2) maintain the bath temp by electric heaters for ferrrous (Temp: 55 - 65 deg C) and non-ferrrous (40 - 50 deg C) and add (acid based) chemical	R	Strain due to operation	11	Ill health/Body injury				2	2	2	Low				
		R	Inhalation of powder	12	Ill health	Nose mask V10 is provided				2	1	2	Low			
		R	add the chemical powder	14	Ill health	Hand gloves provided, Nose mask provided, safety goggles provided				2	1	2	Low			
		R	Inhalation of odour of chemical	15	Ill health	Nose mask provided, Rubber hand gloves, Safety shoes provided				2	1	2	Low			
		R	Chemical splashes on body	16	Burn injury, Eye injury	pvc apron provided, Hand shoe provided, pvc hand gloves provided				2	1	2	Low			
		R	Odour of solution may cause nuisance, coughing	17	Ill health	Nose mask, Rubber hand gloves, Safety shoes provided				2	1	2	Low			
		R	vapours may be inhaled	18	Ill health	PPF				2	1	2	Low			
		R	Chemical contact with skin	19	Ill health	PPF				2	1	2	Low			
		R	chemical may get to eyes	20	Eye irritation	PPF				2	1	2	Low			
		R	Start the valve for air flow	21	Ill health					2	1	2	Low			
3) Air agitation start	3) Confirm direct level in the upper tank	R	Fall of basket from the hoist	22	Injury				2	1	2	Low				
		R	Person fall from height	71	Body injury	Hoisting provided to staircase				1	2	2	Low			

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