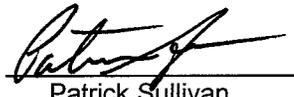


EENS Job Risk Assessment

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Name(s) of Risk Team Members: P. Carr; J. Peters; L. Bowerman, D. Elling; N. Contos; D. Mahajan; J. Madaia	Point Value → Parameter ↓	1	2	3	4	5
Job Title: <i>Work with routine chemicals in laboratories</i>	Frequency (B)	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
JRA #: EENS-JRA-009						
Rev. #: 0	Date: 12-7-05					
Job Description: Use of alcohols, acetone, epoxies, glues, paints, lubricants and other common industrial and household chemicals	Severity (C)	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
Training Procedures List (Optional):						
Approved by:  Date: 8/31/06 Patrick Sullivan	Likelihood (D)	Very Unlikely	Unlikely	Possible	Probable	Multiple
Stressors (if applicable, please list all) (1) Environmental Temperature; (2) Time		Reason for Revision (if applicable):			Comments:	

Activity	Hazard	Control(s)	Before Additional Controls					Control(s) Added to Reduce Risk	After Additional Controls						
			Stressor	# of People A	Frequency B	Severity C	Likelihood D		Risk* AxBxCxD	Stressors	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD
Storing containers	Fire; explosion; spill; chemical reactions; exposure via inhalation	Segregation of hazard types; flammable and acid cabinets; proper ventilation; PPE; secondary containment; spill response; Tier I Inspections; container labeling; CMS; area posting; Training	N	1	3	2	2	12							
Moving containers within the lab	Spillage via tripping/dropping; explosion; exposure; reaction	Spill response; container labeling; Training; Work Planning And Control (ESR); PPE; secondary containment; containers specific for the hazard and operation	N	1	4	2	2	16							

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Activity	Hazard	Control(s)	Before Additional Controls					Control(s) Added to Reduce Risk	After Additional Controls					% Risk Reduction	
			Stressor	# of People A	Frequency B	Severity C	Likelihood D		Risk* AxBxCxD	Stressors	# of People A	Frequency B	Severity C		Likelihood D
Use of chemicals	Fire or explosion	Working with Chemicals SA; Work Planning & Control (ESR); Training; minimum quantities; use of fume hoods where practical (ventilation); PPE; avoid incompatibles; proper labeling; avoid open flames; use of oily rag can	N	1	3	3	2	18							
	Exposure to skin, eye, direct or sensitization	PPE; Training; Work Planning & Control (ESR); minimum quantities	N	1	3	2	2	12							
	Exposure via inhalation	PPE; Training; avoid incompatibles; use of fume hoods where practical (ventilation) proper labeling; minimum quantities	N	1	3	2	4	24							
	Exposure with direct contact spill	Spill response; proper labeling; Working with Chemicals Subject Area; CMS; Work Planning And Control (ESR); PPE; secondary containment; containers specific for the hazard and operation; training	N	1	4	2	2	16							
Mixing chemicals per manufacturers directions	Exposure to skin, direct or sensitization	MSDS, minimum quantities; PPE	N	1	3	2	2	12							
	Exposure via inhalation	MSDS, minimum quantities, use of fume hoods where practical (ventilation)	N	1	3	2	3	18							
	Exposure with direct contact spill	Spill response; proper labeling; Working with Chemicals Subject Area; CMS; container specific for the hazard and operation; training	N	1	4	2	2	16							
Changing/ adding vacuum pump oils	Exposure to skin	PPE	N	1	2	2	2	8							
	Exposure with direct contact spill	Spill response; container specific for the hazard and operation; training	N	1	2	2	2	8							

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Activity	Hazard	Control(s)	Before Additional Controls					Control(s) Added to Reduce Risk	After Additional Controls					% Risk Reduction	
			Stressor	# of People A	Frequency B	Severity C	Likelihood D		Risk* AxBxCxD	Stressors	# of People A	Frequency B	Severity C		Likelihood D
Transferring oil from large container to smaller container	Exposure to skin; spillage via tripping/dropping	Secondary containment; spill response; PPE: proper labeling; container condition	N	1	3	2	2	12							
Transporting to other locations within a building	Spillage via tripping/dropping; exposure	SEE EENS-JRA-025	-	-	-	-	-								

*Risk:	0 to 20	21 to 40	41-60	61 to 80	81 or greater
	Negligible	Acceptable	Moderate	Substantial	Intolerable