



Hazardous Chemical Exposure

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Date _____
 Inspector _____
 Faculty/PI _____

Room No. _____
 Location _____
 Dept. _____

Items for evaluation	Yes	No	Comments	Action to be taken
Are employees trained in the safe handling practices of hazardous chemicals such as acids, caustics, etc.?				
Are employees aware of the potential hazards involving various chemicals, stored or used in the workplace, such as acids, bases, caustics, epoxies, phenols, etc.?				
Is employee exposure to chemicals kept within acceptable levels?				
Are eye wash fountains and safety showers provided in areas where corrosive chemicals are handled?				
Are all containers, such as vats, storage tanks, etc., labeled as to their contents, e.g. "CAUSTICS"?				
Are all employees required to use personal protective clothing and equipment (gloves, eye protection, respirators, etc.) when handling chemicals?				
Are flammable or toxic chemicals kept in closed containers when not in use?				
Are chemical piping systems clearly marked as to their content?				
Where corrosive liquids are frequently handled in open containers, or drawn from storage vessels or pipe lines, is adequate means readily available for neutralizing or disposing of spills or overflows properly and safely?				
Have standard operating procedures been established, and are they being followed, for clean-up of chemical spills?				
Where needed for emergency use, are respirators stored in a convenient, clean and sanitary location?				

Items for evaluation	Yes	No	Comments	Action to be taken
Are respirators intended for emergency use adequate for the various uses for which they may be needed?				
Are employees prohibited from consuming food or beverages in areas where hazardous chemicals are present?				
Is personal protective equipment provided, used and maintained, whenever necessary?				
Are there written standard operating procedures for the selection and use of respirators where needed?				
If you have a respirator protection program, are your employees instructed on the correct usage and limitations of the respirators?				
Are the respirators NIOSH-approved for this particular application?				
Are the respirators regularly inspected and cleaned, sanitized and maintained?				
If hazardous substances are used in your processes, do you have a medical or biological monitoring system in operation?				
Are you familiar with the threshold limit values (TLVs), or permissible exposure limits (PELs), of airborne contaminants and physical agents used in your workplace?				
Have control procedures been instituted for hazardous materials, where appropriate, such as respirators, ventilation systems, handling practices, etc.?				
Whenever possible, are hazardous substances handled in properly designated and exhausted booths or similar locations?				
Do you use general dilution or local exhaust ventilation systems to control dusts, vapors, gases, fumes, smoke, solvents or mists which may be generated in your workplace?				
Is ventilation equipment provided for removal of contaminants, from such operations as production grinding, buffing, spray painting, and/or vapor degreasing, and is it operating properly?				
Do employees complain about dizziness, headaches, nausea, irritation, or other factors of discomfort, when they use solvents or other chemicals?				
Is there a dermatitis problem? Do employees complain about dryness, irritation or sensitization of the skin?				
Have you considered the use of an industrial hygienist, or environmental health specialist, to evaluate your operation?				

Items for evaluation	Yes	No	Comments	Action to be taken
If internal combustion engines are used, is carbon monoxide kept within acceptable levels?				
Is vacuuming used rather than blowing or sweeping dusts, whenever possible, for clean-up?				
Is a documented, site-specific hazard communication program available for this work area?				
Have all affected individuals been trained in Hazard Communication				
Have all affected individuals been trained in Laboratory Safety				
Have all affected individuals been trained in Shop Safety				
Have all affected individuals been trained in Other...				