## Best Practices Checklist Paint Mixing

KEEP ALL CONTAINERS SHUT						
•	Reduces evaporative losses of coatings and solvents					
•	Reduces painter inhalation exposures					
•	Decreases the fire hazard					
•	Reduces shop vapor emissions					
	Number of open containers observed: $\Box$ None $\Box$ 1 to 3 $\Box$ 4 to 7 $\Box$ 8 or more Organic vapor analyzer reading:					
ОК	Needs Work	N/A	Element	Implementation Notes		
			Keep all containers shut when not in use			
			Use gasket-sealed, spring-loaded covers (or equivalent) on solvent storage and waste drums <sup>1</sup>			

<sup>1</sup>Required element of the City of Philadelphia Department of Public Health, Air Management Regulation V.

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INSTALL ADEQUATE VENTILATION						
•	<ul> <li>Reduces painter inhalation exposures to coating and solvent vapors (e.g., isocyanates)</li> <li>Decreases fire hazard</li> </ul>					
Ventilation type(s): □ Prefab mixing room Comments: □ Local exhaust □ General/mechanical □ None						
ОК	Needs Work	N/A	Element	Implementation Notes		
			Employ an adequate amount of ventilation in the paint mixing room			
			Install local exhaust vents near sources of emissions (e.g., mixing bench, gun cleaner)			
			Locate sources of emissions in the same general area to maximize ventilation effectiveness			
			Design system to draw vapors away from workers			
			Ensure electrical equipment (e.g., switches, ventilation fans, lights, telephones) is approved for Class I, Division 1 (explosive) environments			

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USE COMPUTER MIXING SYSTEM AND REUSE LEFT OVER COATINGS WHEN POSSIBLE

- Computer mixing systems allow for greater flexibility in determining amount of coating needed (allowing for smaller amounts to be mixed at a time)
- Computer mixing systems provide an easy means to label excess coating for later use
- Minimizes coating costs
- Minimizes coating wastes and waste disposal costs

Mixing system:			□ Computer □ Microfiche □ Other:	
ОК	Needs Work	N/A	Element	Implementation Notes
			Use a computerized mixing system	
			Mix only the amount of coating needed for the job	
			Store and reuse remaining primers and base coats for later use	

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THE DESIGN FOR THE ENVIRONMENT AUTO REFINISH PROJECT'S GOAL IS TO WORK WITH AUTO REFINISHERS TO IDENTIFY AND ADOPT SAFER, CLEANER, MORE EFFICIENT PRACTICES AND TECHNOLOGIES.

USE P	USE PROPER RESPIRATORY PROTECTION <sup>1</sup>				
•	Reduces employee inhalation exposures to solvent vapors				
	Type of respirator used:          Full facepiece APR 1/2 mask APR INONE         Other:         Type of cartridge used:         Organic vapor w/ prefilter I Other:         Other:         Other:         Type of cartridge used:         Organic vapor w/ prefilter I Other:         Other:         Type of cartridge used:         Organic vapor w/ prefilter I Other:         Other:         Type of cartridge used:         Other:         Othe				
ок	OK Work N/A Element		Element	Implementation Notes	
			Consistently use half-mask APR w/organic vapor cartridge or better when working in the paint mixing room (See guidance on respiratory protection programs and a list of respirator manufacturers and suppliers in the Health and Safety section of your kit.)		

<sup>1</sup>Required element of OSHA where contaminant levels exceed the Permissible Exposure Limit (PEL).

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WEAR	WEAR CHEMICAL PROTECTIVE GLOVES AND EYEWEAR <sup>1</sup>					
•	Reduces employee skin exposure to solvents					
Туре с	Type of gloves worn:  Nitrile Butyl rubber PVA Latex* None Other:					
How often are gloves changed?				□ After each task		Several times per day, but not after each task
				$\Box$ Once or twice per day		Other:
Protec	tive eye	ewear us	sed?	$\Box$ Yes		No
ОК	Needs Work	N/A	Element			Implementation Notes
			Consistently wear appropriate gloves when working with paints and solvents (check with glove manufacturer for suggested glove types - see a list of protective glove manufacturers and suppliers in the Health and Safety section of your kit)			
			•	s that are in good condition tears or punctures	ı	
			Wear prop	er eye protection		

\*Latex gloves do not provide protection against most solvents used in auto refinishing shops.

<sup>1</sup>Required element of OSHA's Personal Protective Equipment (PPE) standard (29 CFR 1910.132).

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