

HAZARD ANALYSIS
CERAMICS
WORKING WITH CLAY

WORK ACTIVITY	POTENTIAL HAZARD	PREVENTION CONTROLS R=Required I=If necessary	ADMINISTRATIVE PPE ENGINEERING CONTROLS
General Use & Mixing	Skin & Eye Injury	R	Review MSDS Safety Glasses Gloves-Consult MSDS
	Ingestion/Inhalation	R	Dust Mask Avoid creating dust(don't sweep, work wet whenever possible)
		I	Respirator*
	Body Injury	I	Smock, Apron or coveralls , Awareness of area
Foot Injury		R	Non Slip shoes Safety Shoes/boots
		I	

*Additional requirements may be necessary. Please consult with EHRS at 215-707-2520.

BASIC EQUIPMENT PROCEDURES/REQUIREMENTS

1. If possible, purchase and use pre-mixed clays.
2. All mixers must have local exhaust ventilation and be equipped with appropriate machine guards to prevent access to moving parts when operating.
3. Use appropriate lifting techniques, get assistance from another person or utilize mechanical aids when lifting heavy items such as clays or additives
4. Purchase and use asbestos free talcs.
5. Wet mop, hose down or vacuum (with a HEPA vacuum) all areas including floor sand surfaces on a daily basis to minimize dust levels and to prevent dry scraps from pulverizing.
6. Operate any equipment in strict accordance with Manufacturers instructions.
7. Read and understand the Material Safety Data Sheet ([TU MSDS Link](#)) for any product.
8. Only authorized and trained personnel may conduct this task
9. Wash hands thoroughly after task and before eating, drinking or smoking.

10. Where any object handled would possibly cause injury to feet if dropped, safety shoes will be worn
11. Where any object handled could possibly cause cuts, punctures or abrasions to hands, appropriate gloves will be worn
12. Keep hands, hair and loose clothing clear of all moving parts.
13. Ensure that all items involved are properly disposed.
14. Report any observed defect or safety hazard to your supervisor immediately.
15. Contact Environmental Health & Radiation Safety (EHRS) at 215-707-2520 if you have any questions.