WORKPLACE EXPOSURE QUESTIONNAIRE

My name is Olusegun Thomas, a lecturer/researcher at the University of Ibadan. Together with some colleagues, we are conducting an investigation into any likely effects on human health that workplace chemicals pose to "tie and dye" workers. Findings from this study can be useful in informing government on how to provide measures that will reduce exposure to these chemicals and to improve health of the participants. The information on this form will be kept strictly confidential and will be used only to aid risk assessment. Your participation is entirely voluntary and you can opt out at any time during the study. The completion of the questionnaire will take an average of 40 minutes. Please be truthful with your responses.

Thank you for your help.

Part A: Sociodemographic Information	
Respondent's ID	
Gender: Male	Marital status: Single Religion Married Others
Level of Education: No formal education Primary school Secondary school Post-secondary	Age group: Below 19
History of Alcohol use: Never Occasional Frequently Quitted	History of smoking: Never Occasional Frequently Quitted
Number of working years in dye industry	
Part B: Hazards Knowledge 1. Can exposure to dyes and/or chemicals have harmful	2. Can dyes and chemicals gain entry into human body through:
effects on: Hands Yes No I don't know Skin Yes No I don't know Eyes Yes No I don't know Lungs Yes No I don't know I don't know I don't know I	Hands/ intact skin Yes No I don't know Wounds/broken skin Yes No I don't know Lungs/Inhalation Yes No I don't know Eyes/nostrils lining Yes No I don't know Mouth/ingestion Yes No I don't know I don't know
Liver Yes No I don't know Kidney Yes No I don't know	3. Will the exposure to dyes/chemicals lead to symptoms or medical conditions such as:

Headaches Yes No I don't know	17. Do you adhere to instructions of usage on containers
Hands hardening Yes No I don't know	of dyes/chemicals?
Breathing difficulty Yes No I don't know	Yes No No
Skin discolouration Yes No I don't know	10 De vous dienemes des manufactuith manifester?
Diarrhoea Yes No I don't know	18. Do you dispense dye powder with respirator? Yes No
Liver disease Yes No I don't know Cancer Yes No I don't know	i es No
Cancer res no ruon t know	19. Have you ever been instructed on safe handling
4. Are the chemicals you use capable of causing skin	methods?
burns and/or irritation?	Yes No No
Yes No I don't know	<u> </u>
	20. Do you have adequate training on how to handle
5. Will waste dyes and chemicals from dyeing process still	hazards?
have harmful effects on health?	Yes No
Yes No I don't know	
	21. Do you take work clothes home for cleaning?
6. Can the mixing of chemicals such as caustic soda,	Yes No No
sulphites and dyes produce poisonous gases?	22. Identify (by ticking) if you frequently ever used any of
Yes No I don't know	the following:
7. Will inhaling the gas have any harmful effect on human	the following.
health?	Gloves
Yes No I don't know	Respirator
<u>—</u>	Eye googles
8. Is textile fibre dust dangerous to health?	Workshop overall
Yes No I don't know	Footwear
9. Can the inhalation of textile fibre dust cause respiratory	23. Identify if you frequently (consistently) use any of the
problems?	following in the last one month
Yes No I don't know	Tone wing in the tust one month
	Gloves
10. Are you being exposed to excessive heat during work?	Respirator
Vac Na Ldau't les aux	Eye goggles \square
Yes No I don't know	Workshop overall
Part C: Safety Practices and barriers to PPE compliance	Footwear
1 and C. Sugery 1 ruences and our rers to 112 compliance	Express your level of agreement or otherwise with the
11. Do you wash hands with soap and water before eating	following statements
or drinking?	,
Yes No	24. The use of PPE is cumbersome and uncomfortable
12. Do you eat in the workshop or during active dyeing process?	Agree Undecided Disagree
Yes No	25. The use of PPE is a waste of resources
13. Do you wash hands with soap and water after work? Yes \(\subseteq \text{No} \subseteq \)	Agree Undecided Disagree
i es No	26. The use of alternatives ("blood flushing" with
14. Do you bathe entire body after work?	antibiotics & herbal decoctions) is as effective in reducing
Yes No No	harmful effects of exposure
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15. Do you read label on dye and chemical containers? Yes \(\subseteq \text{No } \subseteq \)	Agree Undecided Disagree
	27. The risks associated with dye/chemicals exposure are
16. Do you cover dye/chemical containers after use?	over exaggerated?
Yes No No	Agree Undecided Disagree

Part D: Estimates of Exposure	1-3 times
28. How many hours do you come in contact with dyes/chemicals, their solutions or dyed materials in a day 1-2 3-5 more than 5	More than 12 times 37. Have you ever experienced shortness of breath or feeling of suffocation during work? Yes No No
30. How many days in a week do you come in contacts with these items above for the contact period indicated above:	38. Have you ever be woken by an attack of shortness of breath at any time in the past 12 months? Yes No No
1-2 3-4 5-7 31. Indicate the presence of any of the following in the air	39. Have you ever be woken by an attack of cough at any time in the past 12 months? Yes No
Contained in your work area Dust e.g. dye powder, textile fibre dust Gas e.g. from mixing/reaction of chemicals,	40. Do you cough almost daily for at least part of the year? Yes No
candle wax vapour Smoke e.g. combustion products from stoves etc.	41. Do you cough up phlegm for at least part of the year? Yes No No
to prepare dye solution Organic solvents e.g. thinners and bleach	42. Have you ever had asthma? Yes ☐ No ☐ → 47
Waste products (discarded dye/chemical solutions) from previous dyeing processes	43. Was the diagnosis confirmed by a doctor? Yes No No
32. What type of ventilation does your work area have?	44. Are you currently taking any medications including inhalers, tablets for asthma? Yes No
No ventilation Open doors and windows Open space with no wall barriers Air conditioning	45. Do you have any nasal allergies including hay fever? Yes No No
Fume hood with fan and air filters Others 22. De very week helind any main aging device (a.g.)	46. Have you had any eye irritation including conjunctivitis in the past 12 months? Yes No No
33. Do you work behind any engineering device (e.g. cupboards, screens etc.) to limit exposure? Yes No	47. Have you ever had eczema (atopic dermatitis) or skin inflammation? Yes No
Part E: Self-reported Health Problems	
34. Have you ever had wheezing or whistling in your chest in past twelve months? Yes No	48. Have you ever had any skin irritation, itchiness or tenderness? Yes No
35. Have you had this wheezing or whistling in the chest when you did not have a cold? Yes No	49. Have you ever had any sore on your skin or hands that failed to heal completely? Yes No
36. How many attacks of wheezing and whistling have you had in the past twelve months?	50. Have you ever had any mouth sore that failed to heal completely? Yes No

None