

Environmental Exposure Questionnaire: Toxicant

Start of Block: Block 7

Q44 **TOXICANT**

Q45 These questions were primarily completed by:

- ☐ Study Participant (1)
 - ☐ Study Participant's Spouse (2)
 - ☐ Other relative (3) _____
 - ☐ Someone else (4) _____
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Q46

In your lifetime, have you used glues or adhesives 100 or more days at work or at home?

(Such as water based adhesives (vinyl acrylic), hot melt adhesives, Elmer's, carpenter's, or wood glue, superglue (cyanoacrylate), contact adhesives (rubber cement))

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

Skip To: End of Block If Q46 = 2

Skip To: End of Block If Q46 = 3

Skip To: End of Block If Q46 = 4



Q47 At what age or year did you first use glues or adhesives?

- ☐ Age started (1) _____
- ☐ Year started (2) _____
- ☐ Don't know (3)
- ☐ Prefer Not to Answer (4)
-



Q48 At what age or year did you stop using glues or adhesives?

- ☐ Age stopped (1) _____
- ☐ Year stopped (2) _____
- ☐ Currently Use (3)
- ☐ Don't know (4)
- ☐ Prefer Not to Answer (5)
-

Q49 Were there periods of a year or more when you did NOT use glues or adhesives?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

Skip To: Q58 If Q49 = 2

Skip To: Q58 If Q49 = 3

Skip To: Q58 If Q49 = 4



Q50 At what age did you first stop using glues or adhesives?



Q51 At what age did you start using them again?

Q52 Were there other periods when you temporarily stopped using glues or adhesives regularly?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

Skip To: Q58 If Q52 = 2

Skip To: Q58 If Q52 = 3

Skip To: Q58 If Q52 = 4



Q53 At what age did you stop using them again?



Q54 At what age did you start using them again?

Q55 Were there other periods when you temporarily stopped using glues or adhesives regularly?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

Skip To: Q58 If Q55 = 2

Skip To: Q58 If Q55 = 3

Skip To: Q58 If Q55 = 4



Q56 At what age did you stop using them again?



Q57 At what age did you start using them again?

Q58 What specific glues or adhesives did/do you use? (Check all that apply)

- ☐ Water-based adhesives (vinyl acrylic) (1)
 - ☐ Hot melt adhesives (2)
 - ☐ Elmer's, carpenter's, or wood glue (3)
 - ☐ Superglue (cyanoacrylate) (4)
 - ☐ Contact adhesives (rubber cement) (5)
 - ☐ Other solvent-based adhesives, specify: (6)
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- ☐ Don't Know (7)
- ☐ Prefer Not to Answer (8)

End of Block: Block 7

Start of Block: solvents and degreasers

Q17

In your lifetime, have you used solvents or degreasers 100 or more days at work or at home? (Such as carbon tetrachloride, chloroform, methylene chloride, trichloroethane, trichloroethylene or PERC (perchloroethylene), acids, alkalis, alcohols, avgas, jet fuel, freon, methyl ethyl ketone (MEK), kerosene, mineral spirits, naptha, paint thinner, n-Hexane, Stoddard solvent, toluol/toluene/xylol/xulene, turpentine)

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

Skip To: End of Block If Q17 = 2

Skip To: End of Block If Q17 = 3

Skip To: End of Block If Q17 = 4



Q18 At what age or year did you first use solvents or degreasers?

- ☐ Age started (1) _____
 - ☐ Year started (2) _____
 - ☐ Don't know (3)
 - ☐ Prefer Not to Answer (4)
-



Q19 At what age or year did you stop using solvents or degreasers?

- ☐ Age stopped (1) _____
 - ☐ Year stopped (2) _____
 - ☐ Currently use (3)
 - ☐ Don't know (4)
 - ☐ Prefer Not to Answer (5)
-

Q20 Were there periods of a year or more when you did NOT use solvents or degreasers?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

Skip To: Q29 If Q20 = 2

Skip To: Q29 If Q20 = 3

Skip To: Q29 If Q20 = 4



Q21 At what age did you first stop using solvents or degreasers?



Q22 At what age did you start using them again?

Q23 Were there other periods when you temporarily stopped using solvents or degreasers regularly?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

Skip To: Q29 If Q23 = 2

Skip To: Q29 If Q23 = 3

Skip To: Q29 If Q23 = 4

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Q24 At what age did you stop using solvents or degreasers again?

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Q25 At what age did you start using them again?

Q26 Were there other periods when you temporarily stopped using solvents or degreasers regularly?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

Skip To: Q29 If Q26 = 2

Skip To: Q29 If Q26 = 3

Skip To: Q29 If Q26 = 4

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Q27 At what age did you stop using solvents or degreasers again?

*

Q28 At what age did you start using them again?

Q29 What specific solvents or degreasers did/do you use? (Check all that apply)

- ☐ Carbon tetrachloride (1)
- ☐ Chloroform (2)
- ☐ Methylene chloride (3)
- ☐ Trichloroethane (4)
- ☐ Trichloroethylene or PERC (perchloroethylene) (5)
- ☐ Acids, alkalis, alcohols (6)
- ☐ Avgas, jet fuel (7)
- ☐ Freon (8)
- ☐ Methyl ethyl ketone (MEK) (9)
- ☐ Kerosene (10)
- ☐ Mineral spirits, naptha, paint thinner (11)
- ☐ n-Hexane (12)
- ☐ Stoddard solvent (13)
- ☐ Toluol/toluene/xylol/xylene (14)
- ☐ Turpentine (15)

☐ Other Solvent, (specify): (16)

☐ Don't Know (17)

☐ Prefer Not to Answer (18)

End of Block: solvents and degreasers

Start of Block: weld blaze flame cut metal

Q30

In your lifetime, have you welded, brazed, or flame cut metal 100 or more days at work or at home?

☐ Yes (1)

☐ No (2)

☐ Don't Know (3)

☐ Prefer Not to Answer (4)

Skip To: End of Block If Q30 = 2

Skip To: End of Block If Q30 = 3

Skip To: End of Block If Q30 = 4

Display This Question:

If Q30 = 1

Q31 If yes, check all that apply

☐ Welded (1)

☐ Brazed (2)

☐ Flame cut metal (3)



Q32 At what age or year did you first weld, braze, or flame cut metal?

- ☐ Age started (1) _____
 - ☐ Year started (2) _____
 - ☐ Don't know (3)
 - ☐ Prefer Not to Answer (4)
-



Q33 At what age or year did you stop welding, brazing, or flame cutting metal?

- ☐ Age stopped (1) _____
 - ☐ Year stopped (2) _____
 - ☐ Current (3)
 - ☐ Don't know (4)
 - ☐ Prefer Not to Answer (5)
-

Q34 Were there periods of a year or more when you did NOT weld, braze, or flame cut metal?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

Skip To: Q43 If Q34 = 2

Skip To: Q43 If Q34 = 3

Skip To: Q43 If Q34 = 4



Q35 At what age did you first stop welding, brazing, or flame cutting metals?



Q36 At what age did you start welding, brazing, or flame cutting metals again?

Q37

Were there other periods when you temporarily stopped welding, brazing, or flame cutting metals regularly?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

Skip To: Q43 If Q37 = 2

Skip To: Q43 If Q37 = 3

Skip To: Q43 If Q37 = 4



Q38 At what age did you stop welding, brazing, or flame cutting metals again?



Q39 At what age did you start welding, brazing, or flame cutting metals again?

Q40 Were there other periods when you temporarily stopped welding, brazing, or flame cutting metals regularly?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

Skip To: Q43 If Q40 = 2

Skip To: Q43 If Q40 = 3

Skip To: Q43 If Q40 = 4



Q41 **At what age did you stop welding, brazing, or flame cutting metals again?**



Q42 At what age did you start welding, brazing, or flame cutting metals again?

Q43 What specific metals or materials did/do you weld, cut or braze? (Check all that apply)

- ☐ Stainless steel (1)
 - ☐ Mild steel (ordinary or construction) (2)
 - ☐ Galvanized or zinc-plated iron or steel (3)
 - ☐ Cadmium-plated steel (4)
 - ☐ Lead-plated or leaded steel (5)
 - ☐ Chromium plated steel (6)
 - ☐ Titanium based alloy (7)
 - ☐ Brass or bronze (8)
 - ☐ Cast iron (9)
 - ☐ Copper (10)
 - ☐ Aluminum (11)
 - ☐ Other metal or alloy, (specify): (12)
-

- ☐ Don't Know (13)
- ☐ Prefer Not to Answer (14)

End of Block: weld blaze flame cut metal

Start of Block: soldering when

Q4 In your lifetime, have you soldered 100 or more days at work or at home? (Such as tin-lead, silver or other metals or alloys)

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

Skip To: End of Block If Q4 = 2

Skip To: End of Block If Q4 = 3

Skip To: End of Block If Q4 = 4



Q5 At what age or year did you first solder?

- ☐ Age started (1) _____
- ☐ Year started (2) _____
- ☐ Don't know (3)
- ☐ Prefer Not to Answer (4)



Q6 At what age or year did you stop soldering?

- ☐ Age stopped (1) _____
- ☐ Year stopped (2) _____
- ☐ Currently solder (3)
- ☐ Don't know (4)
- ☐ Prefer Not to Answer (5)

Q7 Were there periods of a year or more when you did NOT solder?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

Skip To: Q16 If Q7 = 2

Skip To: Q16 If Q7 = 3

Skip To: Q16 If Q7 = 4



Q8 At what age did you first stop soldering?



Q9 At what age did you start soldering again?

Q10 Were there other periods when you temporarily stopped soldering regularly?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

Skip To: Q16 If Q10 = 2

Skip To: Q16 If Q10 = 3

Skip To: Q16 If Q10 = 4



Q11 At what age did you stop soldering again?



Q12 At what age did you start soldering again?

Q13 Were there other periods when you temporarily stopped soldering regularly?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

Skip To: Q16 If Q13 = 2

Skip To: Q16 If Q13 = 3

Skip To: Q16 If Q13 = 4

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Q14 At what age did you stop soldering again?

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Q15 At what age did you start soldering again?

Q16 What specific metals or materials did/do you use to solder? (Check all that apply)

☐

Tin-lead (1)

☐

Silver (2)

☐

Other metal or alloy, specify: (3)

☐

Don't Know (4)

☐

Prefer Not to Answer (5)

End of Block: soldering when

Start of Block: metal dust

Q59 In your lifetime, have you worked around metal dust or metal fumes 100 or more days at work or at home?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

Skip To: End of Block If Q59 = 2

Skip To: End of Block If Q59 = 3

Skip To: End of Block If Q59 = 4



Q60 At what age or year did you first work around metal dust or metal fumes?

- ☐ Age started (1) _____
- ☐ Year started (2) _____
- ☐ Don't know (3)
- ☐ Prefer Not to Answer (4)



Q61 At what age or year did you stop working around metal dust or metal fumes?

- ☐ Age stopped (1) _____
- ☐ Year stopped (2) _____
- ☐ Current (3)
- ☐ Don't know (4)
- ☐ Prefer Not to Answer (5)

Q62 Were there periods of a year or more when you did NOT work around metal dust or metal fumes?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

Skip To: Q71 If Q62 = 2

Skip To: Q71 If Q62 = 3

Skip To: Q71 If Q62 = 4



Q63 At what age did you first stop working around metal dust or metal fumes?



Q64 At what age did you start working around metal dust or metal fumes again?

Q65 Were there other periods when you temporarily stopped working around metal dust or metal fumes regularly?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

Skip To: Q71 If Q65 = 2

Skip To: Q71 If Q65 = 3

Skip To: Q71 If Q65 = 4



Q66 **At what age did you stop working around metal dust or metal fumes again?**



Q67 **At what age did you start working around metal dust or metal fumes again?**

Q68 **Were there other periods when you temporarily stopped working around metal dust or metal fumes regularly?**

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

Skip To: Q71 If Q68 = 2

Skip To: Q71 If Q68 = 3

Skip To: Q71 If Q68 = 4



Q69 At what age did you stop working around metal dust or metal fumes again?



Q70 At what age did you start working around metal dust or metal fumes again?

Q71 **What specific types of metal dust or metal fumes did you work around? (Check all that apply)**

☐

Metal dust or metal fumes 1: (1)

☐

Metal dust or metal fumes 2: (2)

☐

Metal dust or metal fumes 3: (3)

☐

Don't Know (4)

☐

Prefer Not to Answer (5)

End of Block: metal dust

Start of Block: Block 10

Q72

In your lifetime, have you ever worked around any other chemicals or fumes that we haven't discussed?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

Display This Question:

If Q72 = 1

Q73 What other specific chemicals or fumes did you work around?

- ☐ Chemical or fumes 1: (1)

- ☐ Chemical or fumes 2: (2)

- ☐ Chemical or fumes 3: (3)

- ☐ Don't Know (4)
- ☐ Prefer Not to Answer (5)

End of Block: Block 10
