Attachment 5: Asia Lymph All Job Modules (OccIDEAS)*

OMB #: 0925-XXXX Expiration date: XX/XX/20XX

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Note – We estimate that 50% of subjects will not be asked any of these modules and that 50% of subjects will be asked 1-3 of these modules.

	CHEMIST (CH) MODULE	
1	In this job, did you work in a lab?	
	Yes	
	No	[go to 2]
	DK	[go to 2]
1.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
2	Did you work in the production area of a plant?	
	Yes	
	No	[go to 3]
	DK	[go to 3]
2.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
2.2	Did you collect process samples in a production area?	
	Yes	
	No	
	DK	

^{*}Note: The numbering in this document may not match the tablet exactly.

3	Did you use chlorinated solvents?	
	Yes	
	No	[go to 4]
	DK	[go to 4]
3.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
3.2	What chlorinated solvents did you use? Did you use multiple)	.? (allow
	Trichloroethyler	ne
	Dichloromethan	e
	Other chlorinate	ed solvent
	DK	
4	Did you use benzene?	
	Yes	
	No	[go to 5]
	DK	[go to 5]
4.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
5	Did you use any other aromatic compounds, such as toluene?	xylene or
	Yes	
	No	[go to 6]
	DK	[go to 6]
5.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
6	Did you use formaldehyde or a formaldehyde solutio	n?
	Yes	
	No	[go to 7]
	DK	[go to 7]

6.1	How many hours per week did you do this?	
3.1	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
7	Did you use dyes?	
	Yes	
	No	[go to 8]
	DK	[go to 8]
7.1	How many hours per week did you do this?	10 1
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
7.2	Were these dyes usually in solid or liquid form?	
7.2	Solid	[go to 8]
	Liquid	[go to 7.2.1]
	Both	[go to 8]
	DK	[go to 8]
7.2.1	What did these dyes contain? Did they contain? (allow mult	iple)
	Benzene	
	Toluene or xylene	
	Trichloroethylene	
	Formaldehyde	
	Something else	
	DK	
8	Were your hands ever immersed in a solvent, a solvent-based	1
	product, or fuel?	
	Yes No	
	DK	
9	Did you wear gloves while using solvents or solvent-based	
	products?	
	Yes	
	No	
	Not applicable - did not	use
	solvents	
	DK	
10	Did you clean your hands with a solvent, a solvent-based product with fuel, such as gasoline?	duct or
	Yes	
	No	
	DK	

	JANITOR (JA) MODULE	
1	In this job, did you ever clean office areas?	
	Yes	
	No	[go to 2]
	DK	[go to 2]
1.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
2	In this job, did you ever polish furniture with liquid cleaning chemicals?	
	Yes	
	No	[go to 3]
	DK	[go to 3]
2.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
3	In this job, did you ever strip floors with liquid cleaning chemicals?	
	Yes	
	No	[go to 4]
	DK	[go to 4]
3.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
4	In this job, did you ever clean in a production area of the plant?	
	Yes	
	No	[go to 5]
	DK	[go to 5]
4.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
		1

	such as paints, varnishes, glues, or degreasers were used?	
	Yes	
	No	[go to 6]
	DK	[go to 6]
5.1	How many hours per week did other workers perform this task	
	while you were working in this area? < 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
6	In this job, did you ever repair or maintain equipment or property??	
	Yes	
	No	[go to 7]
	DK	[go to 7]
6.1	How many hours per week did you do this?	[go to 7]
0.1	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
6.2	In this job, did you ever clean or degrease metal or plastic parts with chemicals?	
	Yes	
	No	[go to 6.3]
	DK	[go to 6.3]
6.2.1	How many hours per week did you do this?	
	< 2	
	2-9	
	10-19	
	20 or more	
	DK	
6.2.2	When you cleaned metal or plastic parts, what did you use? Did	
	you use? (allow multiple)	
	Trichloroethylene	
	Gasoline or other fuels	
	Benzene, toluene, or xylene	
	Mineral spirits, stoddard solvent,	
	turpentine or naphtha Paint thinner	
	Any other solvent	
	Any other degreaser	
	DK	
6.2.3	Were the chemicals at room temperature or were they heated in a	

6.2.4	tank, vat, or vapor degreaser? (allow multiple) Room temperature Heated in vapor degreaser Heated in vat or tank	
6.2.4	Heated in vapor degreaser Heated in vat or tank	
6.2.4	Heated in vat or tank	
6.2.4		
6.2.4	- · · ·	
6.2.4	Other	
6.2.4	DK	
	How did you clean the parts? Did you? (allow multiple)	
	Wipe with rag/cloth	
	Wipe with brush	
	Put in basket and manually dipped into tank	
	Put in basket and dipped into tank using automated system	
	Put into tank or bucket with hands	
	Other	
	DK	
6.2.5	Was there a local exhaust system to remove the dust, fumes or	
	vapors that was produced?	
	Yes	
	No	
	DK	
6.3	Did other workers clean or degrease parts in the area where you	
	worked?	
	Yes	[
	No	[go to 6.4]
() (DK	[go to 6.4]
6.3.1	How many hours per week did other workers perform this task	
	while you were working in this area?	
	< 2	
	2-9	
	10-19	
	20 or more	
	DK	
6.4	In this job, did you ever handle or pump fuel?	
	Yes	
	No	[go to 7]
	DK	[go to 7]
6.4.1	How many hours per week did you do this?	
	< 2	
	2-9	
	10-19	
	20 or more	
	DK	

1	Voe	1
	Yes	
	No	
	DK	
8	Did you wear gloves while using solvents or solvent-based	
	products?	
	Yes	
	No	
	Not applicable - did not use solvents	
	DK	
9	Did you clean your hands with a solvent, a solvent-based product or	
	with fuel, such as gasoline?	
	Yes	
	No	
	DK	

	HEALTH PROFESSION (HP) MODULE	
1	In this job, did you work in a room where instruments or other	
	equipment was being sterilized?	
	Yes	
	No	[go to 2]
	DK	[go to 2]
1.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
1.2	How were these instruments and equipment sterilized? (allow	
	multiple)	
	In a solution	
	In an autoclave or sterilizing unit	
	Something else	
	DK	
1.3	What sterilizing agent was usually used in the solution? (allow	
	multiple)	
	Formaldehyde	
	Phisohex	
	Something else DK	
2	In this job, did you use disinfectants or antiseptics?	
	Yes	
	No	[go to 3]
	DK	[go to 3]
2.1	What disinfectant or antiseptic did you use? Did you use? (allow	[0-1-1]
	multiple)	
	Formaldehyde	
	Phisohex	
	Something else	
	DK	
3	In this job, did you clean dialysis machines?	
	Yes	
	No	[go to 4]
	DK	[go to 4]
3.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	

4	In this job, did you clean endoscop	es?	
	,	Yes	
		No	[go to 5]
		DK	[go to 5]
4.1	How many hours per week did you	do this?	
		< 2	
		2 - 9	
		10 - 19	
		20 or more	
		DK	
5	In this job, did you work in a lab?		
		Yes	
		No	[go to 6]
5.4		DK	[go to 6]
5.1	How many hours per week did you		
		< 2	
		2 - 9 10 - 19	
		20 or more DK	
5.2	Did you use dyes?	DK	
3.2	Did you use dyes:	Yes	
		No	[go to 5.3]
		DK	[go to 5.3]
5.2.1	How many hours per week did you		[80 to 3.0]
	,	< 2	
		2 - 9	
		10 - 19	
		20 or more	
		DK	
5.3	Did you use benzene?		
		Yes	
		No	[go to 5.4]
		DK	[go to 5.4]
5.3.1	How many hours per week did you		
		< 2	
		2 - 9	
		10 - 19	
		20 or more	
		DK	
			1

5.4	Did you use trichloroethylene?	
	Yes	
	No	[go to 5.5]
	DK	[go to 5.5]
5.4.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
5.5	Did you use any formaldehyde or formalin?	
	Yes	
	No	[go to 6]
	DK	[go to 6]
5.5.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
6	In this job, did you ever repair or maintain equipment or property?	
	Yes	
	No	[go to 7]
	DK	[go to 7]
6.1	In this job, did you ever clean or degrease metal or plastic parts with chemicals?	
	Yes	
	No	[go to 6.2]
	DK	[go to 6.2]
6.1.1	How many hours per week did you do this?	
	< 2	
	2-9	
	10 - 19	
	20 or more DK	
6.1.2	When you cleaned metal or plastic parts, what did you use?	
3.2.2	Did you use? (allow multiple)	
	Trichloroethylene	
	Gasoline or other fuels	
	Benzene, toluene, or xylene	
	Mineral spirits, stoddard solvent, turpentine or naphtha	
	Paint thinner	
	Any other degreeser	
	Any other degreaser DK	
	DIV	

6.1.3	Were the chemicals at room temperature or were they heated in a	
	tank, vat, or vapor degreaser? (allow multiple)	
	Room temperature	
	Heated in vapor degreaser	
	Heated in vat or tank	
	Other	
	DK	
6.1.4	How did you clean the parts? Did you? (allow multiple)	
	Wipe with rag/cloth	
	Wipe with brush	
	Put in basket and manually dipped into tank	
	Put in basket and dipped into tank using automated system	
	Put into tank or bucket with hands	
	Other	
	DK	
6.1.5	Was there a local exhaust system to remove the dust, fumes or	
	vapors that was produced?	
	Yes	
	No	
	DK	
6.2	Did other workers clean or degrease parts in the area where you	
	worked?	
	Yes	
	No	[go to 6.3]
	DK	[go to 6.3]
6.2.1	How many hours per week did other workers perform this task	
	while you were working in this area?	
	< 2	
	2-9	
	10-19	
	20 or more	
	DK	
6.3	In this job, did you ever use paint?	
	Yes	
	No	[go to 6.4]
	DK	[go to 6.4]
6.3.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	

6.3.2	What did you usually use to apply the paint? (allow multiple)	
	Brush	
	Roller	
	Electrostatic gun	
	Spray gun	
	Dip item into paint	
	Other	
	DK	
6.3.3	Did you paint indoors or inside a ship?	
	Yes	
	No	[go to 6.3.4]
	DK	[go to 6.3.4]
6.3.3.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
6.3.3.2	Was there a local exhaust system to remove the dust, fumes or	
	vapors that was produced?	
	Yes	
	No	
(0 0 0	DK	
6.3.3.3	Did you paint in a production area of a manufacturing plant? Yes	
	No	[go to 6 2 4]
	DK	[go to 6.3.4] [go to 6.3.4]
6.3.3.3.1	How many hours per week did you do this?	[go to 0.3.4]
0.5.5.5.1	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
6.3.4	Did you paint outdoors?	
	Yes	
	No	[go to 6.4]
	DK	[go to 6.4]
6.3.4.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	

6.4	Did other workers use paints in the area where you worked?	
	Yes	
	No	[go to 6.5]
	DK	[go to 6.5]
6.4.1	How many hours per week did other workers perform this task	
	while you were working in this area?	
	< 2	
	2-9	
	10-19	
	20 or more	
	DK	
6.5	In this job, did you ever strip paint from metal or wood objects?	
	Yes,	
	No	[go to 6.6]
	DK	[go to 6.6]
6.5.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
6.5.2	To strip paint, what did you use? Did you use? (allow multiple)	
	Methylene chloride	
	Acids, alkalis, or caustic solutions?	
	Any other chemical	
	Something else, such as a heat gun or scraper	
	DK	
6.6	Did other workers strip paint from metal or wood objects in the area where you worked?	
	Yes	
	No	[go to 6.7]
	DK	[go to 6.7]
6.6.1	How many hours per week did other workers perform this task while you were working in this area?	
	< 2	
	2-9	
	10-19	
	20 or more	
	DK	
6.7	In this job, did you ever use glues or adhesives?	
	Yes	[, , , , , ,]
	No	[go to 6.8]
	DK	[go to 6.8]

6.7.1	How many hours per week did you do this?	
0.7.1	How many hours per week did you do this? < 2	
	2-9	
	10 - 19	
	20 or more	
	DK	
6.7.2	What material were the things you were gluing made of? (allow	
	multiple)	
	Wood	
	Metal	
	Plastic	
	Paper	
	Fabrics	
	Other	
	DK	
6.7.3	Was there a local exhaust system to remove the dust, fumes or	
	vapors that was produced?	
	Yes	
	No	
	DK	
6.7.4	Did you use water-based glues or adhesives, for example, vinyl or	
	acrylic resins?	
	Yes	
	No	[go to 6.7.5]
	DK	[go to 6.7.5]
6.7.4.1	How many hours per week did you do this?	[50 to 0.7.5]
0.7.4.1	< 2	
	2 - 9	
	10 - 19	
	20 or more DK	
6.7.5		
0.7.5	Did you use glues or adhesives that you heated with a gun or other heated device?	
	Yes,	
	No	[go to 6.7.6]
	DK	[go to 6.7.6]
6.7.5.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
	ı	

6.7.6	Did you use contact glues or adhesives where you apply the glue to both pieces being glued, let it dry for a short time, and then join the	
	two pieces together?	
	Yes	[+- / 7 7]
	No	[go to 6.7.7]
	DK	[go to 6.7.7]
6.7.6.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
6.7.7	Did you use glues or adhesives that require mixing two parts of the	
	glue together before applying? (epoxy resins)	
	Yes	
	No	[go to 6.7.8]
	DK	[go to 6.7.8]
6.7.7.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
6.7.8	Did you use urea, phenol or melamine-based glues or adhesives?	
	Yes	
	No	[go to 6.8]
	DK	[go to 6.8]
6.7.8.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
6.8	Did other workers use glues or adhesives in the area where you worked?	
	Yes	
	No	[go to 6.9]
	DK	[go to 6.9]
6.8.1	How many hours per week did other workers perform this task while you were working in this area?	
	< 2	
	2-9	
	10-19	
	20 or more	
	DK	

6.9	In this job, did you ever handle or use particle board, plywood, or veneered wood?	
	Yes	
	No	[go to 6.10]
	DK	[go to 6.10]
6.9.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
6.10	Did other workers work with particle board, plywood, or veneered	
	wood in the area where you worked?	
	Yes	
	No	[go to 6.11]
	DK	[go to 6.11]
6.10.1	How many hours per week did other workers perform this task	
	while you were working in this area?	
	< 2	
	2-9	
	10-19	
	20 or more	
	DK	
6.11	In this job, did you ever handle or pump fuel?	
	Yes	
	No	[go to 7]
	DK	[go to 7]
6.11.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
7	Were your hands ever immersed in a solvent, a solvent-based	
	product, or fuel?	
	Yes	
	No	
	DK	
8	Did you wear gloves while using solvents or solvent-based products?	
	Yes	
	No	
	Not applicable - did not use solvents	
	DK	

9	Did you clean your hands with a solvent, a solvent-based product or with fuel, such as gasoline?	
	Yes	
	No	
	DK	

	CHEMICAL INDUSTRY (CHI) MODULE		
1	1 What did the employer make? (allow multiple)		
	Pair	nts	
	Pes	ticides or fertilizers	[go to 1.1-1.2]
	Dru	gs or pharmaceuticals	[go to 1.3-1.4]
	Dye	es or pigments	[go to 2]
	Oth	er chemicals	[go to 2]
	DK		[go to 2]
1.1	Did the company make fumigants?		
	Yes		
	No		
	DK		
1.2	Did the company make insecticides?		
	Yes		[go to 2]
	No		[go to 2]
	DK		[go to 2]
1.3	Did the company make vaccines?		
	Yes		
	No		
	DK		
1.4	Did the company make antiseptics, germi	icides or antibacterials?	
	Yes		
	No		
	DK		
2	How would you best describe your job at	this employer?	
	Production (make, assemble, or pro into products or finished goods)		[go to 2.1-2.6]
	Maintenance or Utilities (maintain		[go to 2.7-2.12]
	tools, property or utilities) Quality Control, Environmental Cor	ntrol Engineering or	[go to 2.13-2.14]
	Research	iti oi, Engineering oi	[50 to 2.10 2.14]
	Shipping, Receiving or Storage		[go to 2.15-2.18]
	Administration		[go to 3]
	DK		[go to 3]
2.1	Was the part of the plant where you work	ked making chemicals	
	primarily indoors or outdoors?		
		oors	
		doors	
	Bot	h	
0.0	DK		
2.2	Did you spend time in a control room?		[aa ta 2 2 4]
	Yes		[go to 2.2.1]
	No		
	DK		

2.2.1	How many hours per week did you do work	in this area?
	< 2	III dino di odi
	2 - 9	
	10 - 19	
	20 or i	
	DK	nore
2.3	Did you spend time in any production areas	(other than a central
2.3	room)?	(other than a control
	Yes	[to go 2.3.1]
	No	
	DK	
2.3.1	How many hours per week did you do work	in this area?
	< 2	
	2 - 9	
	10 - 19	
	20 or 1	nore
	DK	
2.4	How would you describe most of the equipr	nent that you ran or
	that was in the area where you worked?	
	Closed	(meaning that the
		ment had covers to
		and pipes were used
		nsport most of the
	mater	•
	-	(no covers on the
	not us	ment and pipes were
	Both	eu)
	DK	
2.5	Did you add chemicals by any means (hand,	scoon shovel or by
2.5	emptying bags, drums, or other containers)	
	Yes	[go to 2.5.1]
	No	10
	DK	
2.5.1	[Ask Vent Mini-module]	
2.6	Did you pack or package chemicals?	
	Yes	[go to 2.6.1-2.6.2]
	No	[go to 3]
	DK	[go to 3]
2.6.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or 1	nore
1	DK	

2.6.2	[Vent mini-module]		[go to 3]
2.7	[Degrease Mini-Module]		
2.8	[Paint Mini-Module]		
2.9	[Strip Mini-Module]		
2.10	[Glue Mini-Module]		
2.11	[Board Mini-Module]		
2.12	[Fuel Mini-Module]		[go to 3]
2.13	Did you take samples from the process	or production line for	
	testing purposes?		
	Υ	'es	[go to 2.13.1]
	N	lo l	
	С	DK .	
2.13.1	How many hours per week did you do	this?	
	<	: 2	
	2	2 - 9	
	1	10 - 19	
	2	20 or more	
	D	OK .	
2.14	Did you perform chemical or physical t	ests on process or product	
	samples?		
	•	'es	[go to 2.14.1]
	N	lo l	[go to 3]
		DK	[go to 3]
2.14.1	How many hours per week did you do		
		: 2	[go to 3]
		2 - 9	[go to 3]
	1	10 - 19	[go to 3]
	2	20 or more	[go to 3]
	Г	DK	[go to 3]
2.15	[Paint Mini-Module]		
2.16	[Glue Mini-Module]		
2.17	[Board Mini-Module]		
2.18	[Fuel Mini-Module]		
3	[Hands mini-module]		

	DRY CLEANING TEXTILE INDUSTRY MODULE	
1	In this job, what best describes your work location?	
	A cleaning service where fabric and cloth items were washed or dry cleaned	[go to SECTION A]
	A mill, factory, workshop or warehouse where yarn,	[go to SECTION B]
	textiles and clothing were made, packaged or	
	shipped	
	None of the above	[go to SECTION D -
		SECTION J]
	SECTION A [aDLI]	
A.1	Did your employer wash clothes on the premises?	
	Yes	
	No	
	DK	
A.2	Did your employer dry clean on the premises?	
	Yes	[go to A.2.1-A.2.3]
	No	
	DK	
A.2.1	Did you ever transfer dry cleaned fabric items from the washer to	
	the dryer (please say no if the machines both washed and dried	
	the fabric items in the same machine)?	
	Yes	[go to A.2.1.1]
	No	
	DK	
A.2.1.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
A.2.2	Did you ever transfer dry cleaning fluid from a storage container	
	to a dry cleaning machine, using a bucket or other type of	
	container? (dry cleaning fluid is the chemical used to dry clean fabric items)	
	Yes	[go to A.2.2.1]
	No	
	DK	
A.2.2.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
A.2.3	To dry clean, what chemicals were used? Did you use? (allow	

	multiple)	
	Perchloroethylene (perc) or tetrachloroethylene (tetra)?	
	Trichloroethylene (TCE)?	
	Trichloroethane (TCA)?	
	Carbon tetrachloride?	
	Stoddard solvent?	
	Gasoline?	
	Something else?	
	DK	
A.3	Did you ever spot clean fabric items?	
	Yes	[go to A.3.1-A.3.2]
	No	
	DK	
A.3.1	About how many items did you spot clean?	
	15 items/week or less	
	15 to 100 items/week	
	more than 100 items/week	
	DK	
A.3.2	To spot clean, what chemicals did you use? Did you use? (allow multiple)	
	Perchloroethylene (perc) or tetrachloroethylene (tetra)?	
	Trichloroethylene (TCE)?	
	Trichloroethane (TCA)?	
	Carbon tetrachloride?	
	Stoddard solvent?	
	A remover formulated to remove paint, grease or oils?	
	Gasoline?	
	Something else?	
	DK	
A.4	In this job, did you ever repair or maintain equipment or	
	property?	
	Yes	[go to A.4.1-A.4.7]
	No	
	DK	
A.4.1	Did you ever repair the dry cleaning equipment or maintain the	
	dry cleaning fluid?	
	Yes	[go to A.4.1.1]
	No	
	DK	
A.4.1.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	

A.4.2	[Degrease Mini-Module]	
A.4.3	[Paint Mini-Module]	
A.4.4	[Strip Mini-Module]	
A.4.5	[Glue Mini-Module]	
A.4.6	[Board Mini-Module]	
A.4.7	[Fuel Mini-Module]	
A.5	[Hands mini-module]	[END]
7.13	SECTION B TEXTILE INDUSTRY MODULE	[END]
B.1	Was fabric, clothing or other cloth products, or both made at	
	your employer?	
	Fabric	
	Clothing or other cloth products	
	Both	
	Something else	
	DK	
B.2	Was the product made of leather, fur or hair?	
	Yes	[go to SECTION C]
	No	[go to SECTION B.2.2]
	DK	[go to SECTION B.2.3]
	SECTION C LEATHER INDUSTRY MINI MODULE	10
C.1	Did your employer make leather, make a leather product, or do	
	both?	
	Make leather	
	Make leather product	
	Both	
	DK	
C.2	What color was the leather? (allow multiple)	
	Brown	
	Pale cream or white	
	Other	
	DK	
C.3	How would you best describe your job at this employer?	
	Production (make, assemble, or process materials or	[go to C.3.1 - C.3.2]
	parts into products or finished goods)	
	Maintenance or Utilities (maintain or repair equipment, tools, property or utilities)	[go to C.3.3-C.3.8]
	Quality Control, Environmental Control, Engineering or	[go to C.4]
	Research	[60 to c.+]
	Shipping, Receiving or Storage	[go to C.3.9-C.3.12]
	Administration	[go to C.4]
	DK	[go to C.4]
		•
C.3.1	Was the leather or leather product from animal hides or skins, or	
	was the leather synthetic or man-made?	

I	A! 1	[t- C 2 4 4 C 2 4 2]
	Animal hide	[go to C.3.1.1-C.3.1.3]
	Synthetic or man-made Both	[go to C.3.1.4-C.3.1.6] [go to C.3.1.7 - C.3.1.12]
	Something else	[go to C.3.1.7 - C.3.1.12]
	DK	[go to C.4]
C.3.1.1	- 11	[60 (0 0.4]
C.3.1.1	Was the leather already tanned or prepared, or did hides or skin	
	come into the plant that had to have the hair and flesh removed and tanning done to the hides and skins?	
	Already tanned	
	Hair still on/needed tanning	[go to C.3.1.1.1-C.3.1.1.3]
	Other	[80 to cicinit cicinit
	DK	
C.3.1.1.1	Did you work in the area where the hide or skin was prepared for	
C.3.1.1.1	tanning?	
	Yes	[go to C.3.1.1.1.1]
	No	
	DK	
C.3.1.1.1.1	How many hours per week did you do work in this area?	
0.0.1.1.1.1	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
C.3.1.1.2	Did you work in the area where the hides and skins were tanned?	
C.3.1.1.2	Yes	[go to C.3.1.1.2.1]
	No	[50 (0 0.0.1.1.2.1]
	DK	
C.3.1.1.2.1	How many hours per week did you do work in this area?	
C.3.1.1.2.1	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
60440		
C.3.1.1.3	Did you work in the area where the tanned leather was stuffed or fat liquored?	
	Yes	[go to C3.1.1.3.1]
	No	[50 to 00.1.1.0.1]
	DK	
C.3.1.1.3.1		
C.3.1.1.3.1	Did you apply the chemicals to stuff or fat liquor the leather? Yes	[go to C 3 1 1 2 1 1-
	165	[go to C.3.1.1.3.1.1- C.3.1.1.3.1.2]
	No	0.0.1.1.0.1.2]
	DK	

C.3.1.1.3.1.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
C.3.1.1.3.1.2	What chemicals did you use? (allow multiple)	
	Oils	
	TCE or trichloroethylene	
	Perchloroethylene (perc) or	
	tetrachloroethylene (tetra)	
	Some other chemicals	
	DK	
C.3.1.2	Did you apply a chemical to the leather?	
	Yes	[go to C.3.1.2.1]
	No	
	DK	
C.3.1.2.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
C.3.1.3	Did you work in the area where the tanned leather was dried, set	
	out, stretched and softened?	
	Yes	[go to C.3.1.3.1]
	No	
	DK	
C.3.1.3.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
C.3.1.4	Did you work in the area where chemicals were mixed to make a	
	leather-like resin or plastic?	
	Yes	[go to C.3.1.4.1]
	No	
	DK	
C.3.1.4.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
1		•

C.3.1.5	Did you work in the area where chemicals were heated to make a leather-like resin or plastic?	
	Yes	[go to C.3.1.5.1]
	No	
	DK	
C.3.1.5.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
C.3.1.6	Did you work in the area where chemicals were extruded to make a leather-like resin or plastic?	
	Yes	[go to C.3.1.6.1]
	No	
	DK	
C.3.1.6.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
C.3.1.7	Was the leather already tanned or prepared, or did hides or skin come into the plant that had to have the hair and flesh removed and tanning done to the hides and skins? Already tanned	
	Hair still on/needed tanning Other DK	[go to C.3.1.7.1-3.1.7.3]
C.3.1.7.1	Did you work in the area where the hide or skin was prepared for tanning?	
	Yes	[go to C.3.1.7.1.1]
	No	
	DK	
C.3.1.7.1.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
C.3.1.7.2	Did you work in the area where the hides and skins were tanned?	
	Yes	[go to C.3.1.7.2.1]
	No	
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	DK	
C.3.1.7.2.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
C.3.1.7.3	Did you work in the area where the tanned leather was stuffed or	
C.3.1.7.3	fat liquored?	
	Yes	[go to C.3.1.7.3.1]
	No	
	DK	
C.3.1.7.3.1	Did you apply the chemicals to stuff or fat liquor the leather?	
	Yes	[go to C.3.1.7.3.1.1- C.3.1.7.3.1.2]
	No	
	DK	
C.3.1.7.3.1.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
C.3.1.7.3.1.2	What chemicals did you use? (allow multiple)	
0.0.1.7.0.1.2	Oils	
	TCE or trichloroethylene	
	Perchloroethylene (perc) or tetrachloroethylene (tetra)	
	Some other chemicals	
	DK	
C.3.1.8	Did you apply a chemical to the leather?	
C.3.1.0	Yes	[go to C.3.1.8.1]
		[g0 t0 C.3.1.6.1]
	No	
00101	DK	
C.3.1.8.1	How many hours per week did you do this?	
	< 2 2 - 9	
	10 - 19	
	20 or more	
	DK	
C.3.1.9	Did you work in the area where the tanned leather was dried, set	
0.0.1.7	out, stretched and softened?	
	Yes	[go to C.3.1.9.1]
	No	
	DK	

C.3.1.9.1 How many hours per week did you do work in this area? < 2 2 - 9 10 - 19 20 or more DK C.3.1.10 Did you work in the area where chemicals were mixed to make a	
2 - 9 10 - 19 20 or more DK	
10 - 19 20 or more DK	
20 or more DK	
DK	
	-
leather-like resin or plastic?	
Yes [go to C.3.1.10.1]	
No	
DK	
C.3.1.10.1 How many hours per week did you do work in this area?	
< 2	
2 - 9	
10 - 19	
20 or more	
DK	
C.3.1.11 Did you work in the area where chemicals were heated to make a	
leather-like resin or plastic?	
Yes [go to C.3.1.11.1]	
No	
DK	
C.3.1.11.1 How many hours per week did you do work in this area?	
< 2	
2 - 9	
10 - 19	
20 or more	
DK	
C.3.1.12 Did you work in the area where chemicals were extruded to make	
a leather-like resin or plastic?	
Yes [go to C.3.1.12.1]	
No No	
DK	
C.3.1.12.1 How many hours per week did you do work in this area?	
< 2 2 - 9	
10 - 19	
20 or more	
DK	
C.3.2 Did you work in the area where the leather pieces were glued	
together or glued to metal or plastic pieces?	
Yes [go to C.3.2.1 - C.3.2.2	
No	
DK	

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C.3.2.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
6000	DK	
C.3.2.2	Did you do the gluing?	[t- C 0 0 0 1]
	Yes	[go to C.3.2.2.1]
	No	
60001	DK	
C.3.2.2.1	How many hours per week did you do this? < 2	[go to C.4]
	2 - 9	[go to C.4]
	10 - 19	[go to C.4]
	20 or more	[go to C.4]
	DK	[go to C.4]
C.3.3	[Degrease Mini-Module]	10 1
C.3.4	[Paint Mini-Module]	
C.3.5	[Strip Mini-Module]	
C.3.6	[Glue Mini-Module]	
C.3.7	[Board Mini-Module]	
C.3.8	[Fuel Mini-Module]	[go to C.4]
C.3.9	[Paint Mini-Module]	
C.3.1	[Glue Mini-Module]	
C.3.11	[Board Mini-Module]	
C.3.12	[Fuel Mini-Module]	
C.4	[Hands mini-module]	[END]
	SECTION B.2.2 CONTINUE TEXTILE INDUSTRY MODULE	
B.2.2	How would you best describe your job at this employer?	
	Production (make, assemble, or process materials or	[go to B.2.2.1 - 2.2.8]
	parts into products or finished goods)	
	Maintenance or Utilities (maintain or repair equipment,	[go to B.2.2.9-B.2.2.15]
	tools, property or utilities) Quality Control, Environmental Control, Engineering or	[go to B.2.2.16-B.2.2.17]
	Research	[go to b.2.2.10-b.2.2.17]
	Shipping, Receiving or Storage	[go to B.2.2.18-B.2.2.22]
	Administration	[END]
	DK	[END]
B.2.2.1	What was the product made of ? (allow multiple)	
	Cotton	
	Wool	
	Man-made or synthetic	
	Something else	
	DK	

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B.2.2.2	Did you work in the area where scouring or cleaning was done?	
	Yes	[go to 2.2.2.1-2.2.2.2]
	No	
	DK	
B.2.2.2.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.2.2.2.2	Was perchloroethylene (perc) or tetrachloroethylene (tetra) used	
	to scour or clean the products?	
	Yes	
	No	
	DK	
B.2.2.3	Did you work in the area where dyeing was done?	
	Yes	[go to B.2.2.3.1]
	No	
	DK	
B.2.2.3.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.2.2.4	Did you work in the area where printing was done?	
	Yes	[go to B.2.2.4.1]
	No	
	DK	
B.2.2.4.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.2.2.5	Did you work in the area where trimming, cleaning, drying, or	
5.2.2.0	other finishing operations and inspecting of the products was	
	done?	
	Yes	[go to B.2.2.5.1-B.2.2.5.2]
	No	
	DK	

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B.2.2.5.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.2.2.5.2	While working in this area, did you spot clean the fabrics or clothing?	
	Yes	[go to B.2.2.2.5.1- B.2.2.2.5.2]
	No	5.2.2.2.5.2
	DK	
B.2.2.2.5.1	About how many items did you spot clean?	
2.2.2.2.3.1	15 items/week or less	
	15 to 100 items/week	
	more than 100 items/week	
	DK	
B.2.2.2.5.2	To spot clean, what chemicals did you use? Did you use? (allow	
D.Z.Z.Z.J.Z	multiple)	
	Perchloroethylene (perc) or tetrachloroethylene (tetra)?	
	Trichloroethylene (TCE)?	
	Carbon tetrachloride?	
	Stoddard solvent?	
	A remover formulated to remove paint, grease or oils?	
	Gasoline?	
	Something else?	
	DK	
B.2.2.6	Did you work in the area where fabric was made resistant to	
B.2.2.0	wrinkles, flame, stains, soil, shrinkage, water, moths, mildew, or something else?	
	Yes	[go to B.2.2.6.1-B.2.2.6.2]
	No	
	DK	
B.2.2.6.1	How many hours per week did you do work in this area?	
5.2.2.0.1	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.2.2.6.2	What type of treatment was being done to the fabric? (allow	
D.Z.Z.0.Z	multiple)	
	Wrinkle resistance or durable or permanent press	
	Flame resistance	
	Stain resistance	

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	Soil resistance		
	Shrink resistance		
	Water resistance		
	Moth resistance		
	Mildew resistance		
	Other		
	DK		
B.2.2.7	Did you clean the screens used to transfer color t	o the fabric?	
	Yes		[go to B.2.2.7.1]
	No		
	DK		
B.2.2.7.1	What chemicals did you use to do this? (allow mu	ıltiple)	
	Carbon tetrachloride	• •	
	Trichloroethylene		
	Trichloroethane		
	Chloroform		
	Perchloroethylene (perc) or tetrachloro	athylene (tetra)	
	Some other chemical	ctifyletie (tetra)	
	DK		
B.2.2.8			[FND]
	[Hands mini-module]		[END]
B.2.2.9	[Degrease Mini-Module]		
B.2.2.10	[Paint Mini-Module]		
B.2.2.11	[Strip Mini-Module]		
B.2.2.12	[Glue Mini-Module]		
B.2.2.13	[Board Mini-Module]		
B.2.2.14	[Fuel Mini-Module]		r==1
B.2.2.15	[Hands mini-module]		[END]
B.2.2.16	Did you take samples from the process or produc	tion line for	
	testing purposes?		[no to D 0 0 4/ 4]
	Yes		[go to B.2.2.16.1]
	No		
5001/1	DK		
B.2.2.16.1	How many hours per week did you do this?		
	< 2		
	2 - 9		
	10 - 19		
	20 or more		
	DK		
B.2.2.17	Did you perform chemical or physical tests on prosamples?	cess or product	
	Yes		[go to B.2.2.17.1]
	No		[END]
	DK		[END]
L			

B.2.2.17.1	How many hours per week did you do this?	
0.2.2.17.1	< 2	[END]
	2 - 9	[END]
	10 - 19	[END]
	20 or more	[END]
D 0 0 40	DK	[END]
B.2.2.18	[Paint Mini-Module]	
B.2.2.19	[Glue Mini-Module]	
B.2.2.20	[Board Mini-Module]	
B.2.2.21	[Fuel Mini-Module]	
B.2.2.22	[Hands mini-module]	[END]
	SECTION B.2.3 CONTINUE TEXTILE INDUSTRY MODULE	
B.2.3	How would you best describe your job at this employer?	
	Production (make, assemble, or process materials or	[go to B.2.3.1 - B.2.3.8]
	parts into products or finished goods)	
	Maintenance or Utilities (maintain or repair equipment,	[go to B.2.3.9-B.2.3.15]
	tools, property or utilities)	[t- D 0 0 4/ D 0 0 47]
	Quality Control, Environmental Control, Engineering or Research	[go to B.2.3.16-B.2.3.17]
	Shipping, Receiving or Storage	[go to B.2.3.18-B.2.3.22]
	Administration	[END]
	DK	
D 0 0 1		[END]
B.2.3.1	What was the product made of ? (allow multiple)	
	Cotton	
	Wool	
	Man-made or synthetic	
	Something else	
	DK	
B.2.3.2	Did you work in the area where scouring or cleaning was done?	
	Yes	[go to B.2.3.2.1-B.2.3.2.2]
	No	
	DK	
B.2.3.2.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.2.3.2.2	Was perchloroethylene (perc) or tetrachloroethylene (tetra) used	
	to scour or clean the products?	
	Yes	
	No	
	DK	
		1

B.2.3.3	Did you work in the area where dyeing was done?	
	Yes	[go to B.2.3.3.1]
	No	
	DK	
B.2.3.3.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.2.3.4	Did you work in the area where printing was done?	
	Yes	[go to B.2.3.4.1]
	No	
	DK	
B.2.3.4.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.2.3.5	Did you work in the area where trimming, cleaning, drying, or	
	other finishing operations and inspecting of the products was	
	done?	
	Yes	[go to B.2.3.5.1-B.2.3.5.2]
	No	
	DK	
B.2.3.5.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.2.3.5.2	While working in this area, did you spot clean the fabrics or	
	clothing?	
	Yes	[go to B.2.3.5.2.1-
		B.2.3.5.2.2]
	No	
	DK	
B.2.3.5.2.1	About how many items did you spot clean?	
	15 items/week or less	
	15 to 100 items/week	
	More than 100 items/week	
	DK	

B.2.3.5.2.2	To spot clean, what chemicals did you use? Did you use? (allow	
	multiple)	
	Perchloroethylene (perc) or tetrachloroethylene (tetra)?	
	Trichloroethylene (TCE)? Carbon tetrachloride?	
	Stoddard solvent?	
	A remover formulated to remove paint, grease or oils?	
	Gasoline?	
	Something else?	
	DK	
B.2.3.6	Did you work in the area where fabric was made resistant to	
	wrinkles, flame, stains, soil, shrinkage, water, moths, mildew, or	
	something else?	
	Yes	[go to B.2.3.6.1-B.2.3.6.2]
	No	
	DK	
B.2.3.6.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.2.3.6.2	What type of treatment was being done to the fabric? (allow multiple)	
	Wrinkle resistance or durable or permanent press	
	Flame resistance	
	Stain resistance	
	Soil resistance	
	Shrink resistance	
	Water resistance	
	Moth resistance	
	Mildew resistance	
	Other	
	DK	
B.2.3.7	Did you clean the screens used to transfer color to the fabric?	
	Yes	[go to B.2.3.7.1]
	No	
	DK	
B.2.3.7.1	What chemicals did you use to do this? (Allow multiple)	
	Carbon tetrachloride	
	Trichloroethylene	
	Trichloroethane	
	Chloroform	
	Perchloroethylene (perc) or tetrachloroethylene (tetra)	
1	Some other chemical	

	DK		
B.2.3.8	[Hands mini-module]		[END]
B.2.3.9	[Degrease Mini-Module]		
B.2.3.10	[Paint Mini-Module]		
B.2.3.11	[Strip Mini-Module]		
B.2.3.12	[Glue Mini-Module]		
B.2.3.13	[Board Mini-Module]		
B.2.3.14	[Fuel Mini-Module]		
B.2.3.15	[Hands mini-module]		[END]
B.2.3.16	Did you take samples from the process	or production line for	
	testing purposes?		
	Ye	es	[go to 2.3.16.1]
	N	0	
	D	K	
B.2.3.16.1	How many hours per week did you do t	this?	
	<	2	
	2	- 9	
	10	0 - 19	
	20	0 or more	
	D	K	
B.2.3.17	Did you perform chemical or physical to	ests on process or product	
	samples?		_
		es	[go to 2.3.17.1]
	N		[END]
	D		[END]
B.2.3.17.1	How many hours per week did you do t		_
	<		[END]
		- 9	[END]
		0 - 19	[END]
		0 or more	[END]
	D	K	[END]
B.2.3.18	[Paint Mini-Module]		
B.2.3.19	[Glue Mini-Module]		
B.2.3.20	[Board Mini-Module]		
B.2.3.21	[Fuel Mini-Module]		
B.2.3.22	[Hands mini-module]		[END]
1			
SECTION D	[Degrease Mini-Module]		
SECTION E	[Paint Mini-Module]		
SECTION E SECTION F	[Paint Mini-Module] [Strip Mini-Module]		
SECTION E SECTION F SECTION G	[Paint Mini-Module] [Strip Mini-Module] [Glue Mini-Module]		
SECTION E SECTION F SECTION G SECTION H	[Paint Mini-Module] [Strip Mini-Module] [Glue Mini-Module] [Board Mini-Module]		
SECTION E SECTION F SECTION G	[Paint Mini-Module] [Strip Mini-Module] [Glue Mini-Module]		

	EMBALMER (EM) MODULE	
1	Did you perform or assist with embalmings?	
	Yes	[go to 1.1-1.2]
	No	
	DK	
1.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
1.2	[Vent Mini-module]	

	FOUNDRY INDUSTRY (FOI) MODU	JLE	
1	How would you best describe your job at the		
1	Production (make, assemble, or process materials or		[go to 2]
	parts into products or finished		[50 to 2]
	Maintenance or Utilities (maintain	-	[go to 1.1-1.6]
	tools, property or utilities)	, , ,	
	Quality Control, Environmental Co	ntrol, Engineering or	[go to 1.7-1.8]
	Research		
	Shipping, Receiving or Storage		[go to 1.9-1.12]
	Administration		[go to 2]
	DK		[go to 2]
1.1	[Degrease Mini-Module]		
1.2	[Paint Mini-Module]		
1.3	[Strip Mini-Module]		
1.4	[Glue Mini-Module]		
1.5	[Board Mini-Module]		
1.6	[Fuel Mini-Module]		[go to 2]
1.7	Did you take samples from the process or p	roduction line for	
	testing purposes?		
	Yes		[go to 1.7.1]
	No		
	DK		
1.7.1	How many hours per week did you do this?		
	< 2		
	2 - 9		
	10 - 1	9	
	20 or	more	
	DK		
1.8	Did you perform chemical or physical tests	on process or product	
	samples?		
	Yes		[go to 1.8.1]
	No		[go to 2]
	DK		[go to 2]
1.8.1	How many hours per week did you do this?		
	< 2		[go to 2]
	2 - 9		[go to 2]
	10 - 1		[go to 2]
	20 or	more	[go to 2]
	DK		[go to 2]
1.9	[Paint Mini-Module]		
1.1	[Glue Mini-Module]		
1.11	[Board Mini-Module]		
1.12	[Fuel Mini-Module]		[go to 2]
2	Did you ever spend time in a production are	ea of the plant, such	

	as the core making, mold making, metal	pouring, cooling,	
	shakeout or fettling areas?	_	[+-0405]
	Ye		[go to 2.1-2.5]
	No		[go to 3]
0.4	DK		[go to 3]
2.1	Did you ever spend time working in the	=	[
	Ye		[go to 2.1.1-2.1.3]
	No		
	DK		
2.1.1	How many hours per week did you do th		
	< 2		
	2 -		
		- 19	
	20	or more	
	DK		
2.1.2	Did the cores have to be heated in an ov		
	they set up, or were chemicals used to s		
	I mean the process of hardening sand to		
		ated in an oven or	
		nace emicals were used	
	Bo		
		her	
	DK		
0.4.0			
2.1.3	Did you ever run a muller or other mach chemicals used to make the core?	ine to mix sand and	
	Yes	ς	[go to 2.1.3.1 -
	10.	•	2.1.3.3]
	No)	
	DK	,	
2.1.3.1	How many hours per week did you do th	nis?	
,,_,	< 2		
	2 -		
		- 19	
		or more	
	DK		
2.1.3.2	What chemicals were used to make the		
2.1.0.2	multiple)	corc. vvas i (allovv	
		oxy resins	
	-	enolic resins	
		ethane resins	
		ran resins	
		cyanates	
		rmaldehyde	
			I

	Something	else
	DK	
2.1.3.3	[Vent Mini-module]	
2.2	Did you ever spend time working in the mold ma	ıking area?
	Yes	[go to 2.2.1-2.2.5]
	No	
	DK	
2.2.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
2.2.2	[Vent Mini-module]	
2.2.3	Did the molds have to be heated in an oven or fu	ırnace before
	they set up, or were chemicals used to set up the	e molds? By set
	up, I mean the process of hardening sand to form	n a core.
	Heated in a	an oven or
	furnace	
	Chemicals	were used
	Both	
	Other	
	DK	
2.2.4	Did you ever add or mix chemicals or other mate	erials to the sand?
	Yes	[go to 2.2.4.1]
	No	
	DK	
2.2.4.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
2.2.5	Did you dump the molds?	
	Yes	[go to 2.2.5.1]
	No	
	DK	
2.2.5.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
2.3	Did you ever spend time working in the metal po	puring area?

	Yes	[go to 2.3.1]
	No	
	DK	
2.3.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
2.4	Did you ever spend time working in the cooling area where the	
	hot metal cooled?	
	Yes	[go to 2.4.1]
	No	
	DK	
2.4.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
2.5	Did you ever spend time working in the shakeout or fettling area?	
	Yes	[go to 2.5.1]
	No	
	DK	
2.5.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
3	[Hands mini-module]	

	FURNITURE INDUSTRY (FUI) MODULE	
1	What type of furniture did your employer make? (allow multiple)	
	Plastic furniture?	[go to 1.1]
	Wood furniture?	[go to 1.2]
	Metal furniture?	[go to 2]
	Kitchen or bathroom countertops?	[go to 1.3-1.6]
	Another type of furniture?	[go to 2]
	DK	[go to 2]
1.1	Did you personally make or mold the plastic, or did you assemble the furniture?	
	Make or mold plastic	
	Assembled furniture	
	Both	
	Neither	
	Something Else	
	DK	
1.2	What type of wood product did you work with? (allow multiple)	
	Solid wood	
	Plywood, particleboard, or composite board	
	Veneered wood	
	Other wood	
	DK	
1.3	Did you work in the chemical mixing area?	
	Yes	[go to 1.3.1-1.3.2]
	No	
	DK	
1.3.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
1.3.2	What chemicals did you mix? (allow multiple)	
	Phenol	
	Formaldehyde	
	Something else	
	DK	
1.4	Did you work in the area where sheets of paper were coated with chemicals?	n
	Yes	[go to 1.4.1]
	No	
	DK	

1.4.1	How many hours per week did you do work in this area?	
1.4.1	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
1.5	Did you work in the area where the sheets of coated papers were stacked?	
	Yes	[go to 1.5.1]
	No	
	DK	
1.5.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
1.6	Did you work in the area where the coated stacks of paper were	
1.0	pressed together?	
	Yes	[go to 1.6.1-1.6.2]
	No	[80 00 2001 2001]
	DK	
1.6.1	How many hours per week did you do work in this area?	
1.0.1	< 2	
	2 - 9	
	10 - 19	
	20 or more	
1.10	DK	
1.6.2		
2		
		[go to 2.1-2.6]
2.1	· · · · · · · · · · · · · · · · · · ·	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
	2 - 9 10 - 19 20 or more	[go to 2.1-2.6]

2.2	Did you ever degrees the furniture?	,	
2.2	Did you ever degrease the furniture?		[aak 0 0 1 0 0 0]
		Yes	[ask 2.2.1-2.2.2]
		No	
		DK	
2.2.1	How many hours per week did you d		
		< 2	
		2 - 9	
		10 - 19	
		20 or more	
		DK	
2.2.2	How did you degrease the furniture?	(allow multiple)	
		By hand	
		Some other way	
		DK	
2.3	In this job, did you ever use paint?		
		Yes	[go to 2.3.1-2.3.3]
		No	[8e to Field Field]
		DK	
2.3.1	How many hours nor wook did you d		
2.3.1	How many hours per week did you d	< 2	
		2 - 9	
		10 - 19	
		20 or more	
		DK	
2.3.2	What did you usually use to apply the		
		Brush	
		Roller	
		Electrostatic gun	
		Spray gun	
		Dip item into paint Other	
		DK	
2.3.3	[Vent Mini-module]		
2.3.4	Did other workers use paints in the a	rea where you worked?	
2.3.4	Did other workers use paints in the a	Yes	[go to 2.3.4.1]
		No	[go to 2.3.4.1]
		DK	
2.3.4.1	How many hours per week did other		
		-	
	,	< 2	
		2 - 9	
		10 - 19	
		20 or more	
1			
	while you were working in this area?	< 2 2 - 9 10 - 19	

			T
2.4	[Stain mini-module]		
2.5	Did you ever lacquer the furniture?		
		Yes	[go to2.5.1-2.5.2]
		No	
		DK	
2.5.1	How many hours per week did you o	o this?	
		< 2	
		2 - 9	
		10 - 19	
		20 or more	
		DK	
2.5.2	How did you usually apply the lacqu	er? (allow multiple)	
		Brush	
		Rag	
		Spray gun	
		Electrostatic gun	
		Roller	
		Dipping	
		Other	
		DK	
2.6	Did you ever apply wax to the furnit		
		Yes	[go to 2.6.1]
		No	
		DK	
2.6.1	How many hours per week did you o		
	, ,	< 2	
		2 - 9	
		10 - 19	
		20 or more	
		DK	
3	Did you ever work in the area where		
	lacquers, or waxes were removed?		
		Yes	[go to 3.1-3.2]
		No	
		DK	
3.1	How many hours per week did you d	o work in this area?	
	,	< 2	
		2 - 9	
		10 - 19	
		20 or more	
		DK	
0.0	How did you you like your are \$23.44	:4:4h2 /alla4:1-\	
3.2	How did you usually remove it? Was	ιι with: (allow mulπple)	

1		Chemicals	
		A rag	
		A brush	
		Some other way	
		DK	
4	Did you ever work in the area where	a chemical or wax was	
	drying on the furniture?		
		Yes	[go to 4.1-4.2]
		No	
		DK	
4.1	How many hours per week did you do		
		< 2	
		2 - 9	
		10 - 19	
		20 or more	
		DK	
4.2	Which chemicals were being dried on (allow multiple):	the furniture? Was it?	
		Paints	
		Stains	
		Varnishes	
		Lacquers	
		Waxes	
		Something else	
		DK	
5	[Glue Mini-module]		
6	In this job, did you ever repair or main property??	ntain equipment or	
		Yes	[go to 6.1-6.3]
		No	
		DK	
6.1	How many hours per week did you do	this?	
		< 2	
		2 - 9	
		10 - 19	
		20 or more	
		DK	
6.2	[Degrease Mini-Module]		
6.3	[Fuel Mini-Module]		
7	[Hands mini-module]		
/	[Harias Hilli Hoddle]		

	GENERAL FARMING - FOOD INDUSTRY MODULE (LONG)	
1	In this job, what best describes your work location? (allow multiple)	
	A farm where crops were grown or livestock were raised	[go to SECTION A]
	A factory, warehouse, or processing center where food	[go to SECTION B]
	products were processed or packaged	
	A restaurant or other food service location where food	
	was prepared or sold	
	None of the above	[go to SECTION C -
	0.000.000.000.000	SECTION I]
	SECTION A [aGF]	
A.1	On the farms you worked, were crops raised to sell or to feed animals?	
	Yes	[go to A.1.1-A.1.4]
	No	
	DK	
A.1.1	In this job, did you ever apply any type of chemicals to kill weeds, bugs, fungus or molds, or rodents such as rats?	
	Yes	[go to A.1.1.1-A.1.1.5]
	No	
	DK	
A.1.1.1	Did you apply herbicides or weed killers?	
	Yes	[go to A.1.1.1.4.1.1.3]
	No DV	
	DK	
A.1.1.1.1	On average, how many times a year did you apply herbicides or weed killers?	
	[number 0-1000]	
	DK	
A.1.1.1.2	Each time you did this, how many hours did it take?	
	[number 0-24]	
	DK	
A.1.1.1.3	Did you add kerosene, diesel fuel, Stoddard solvent or oil to the	
	weed killers or herbicides that you mixed?	
	Yes	
	No DV	
A.1.1.2	DK Did you apply insecticides or bug killers?	
A.1.1.2	Yes	[go to A.1.1.2.1-A.1.1.2.3]
	No	[80 to A.1.1.2.1-A.1.1.2.3]
	DK	
A.1.1.2.1	On average, how many times a year did you apply insecticides or	
	bug killers?	
	[number 0-1000]	
	DK	

A.1.1.2.2	Each time you did this, how many hours did it take?	
	[number 0-24]	
	DK	
A.1.1.2.3	Did you add kerosene, diesel fuel, Stoddard solvent or oil to the	
	insecticides or bug killers that you mixed?	
	Yes	
	No	
	DK	
A.1.1.3	Did you apply fumigants?	
	Yes	[go to A.1.1.3.1-A.1.1.3.3
	No	
	DK	
A.1.1.3.1	On average, how many times a year did you apply fumigants?	
	[number 0-1000]	
	DK	
A.1.1.3.2	Each time you did this, how many hours did it take?	
	[number 0-24]	
	DK	
A.1.1.3.3	Did you add kerosene, diesel fuel, Stoddard solvent or oil to the	
,	fumigants that you mixed?	
	Yes	
	No	
	DK	
A.1.1.4	Did you apply fungicides to kill mold or fungus?	
	Yes	[go to A.1.1.4.1-A.1.1.4.3]
	No	
	DK	
A.1.1.4.1	On average, how many times a year did you apply fungicides?	
	[number 0-1000]	
	DK	
A.1.1.4.2	Each time you did this, how many hours did it take?	
	[number 0-24]	
	DK	
A.1.1.4.3	Did you add kerosene, diesel fuel, Stoddard solvent or oil to the	
	fungicides that you mixed?	
	Yes	
	No	
	DK	
A.1.1.5	Did you apply rodenticides to kill rodents, such as rats?	
	Yes	[go to A.1.1.5.1-A.1.1.5.3]
	No	
	DK	
A.1.1.5.1	On average, how many times a year did you apply rodenticides?	
	[number 0-1000]	

	DK	
A.1.1.5.2	Each time you did this, how many hours did it take?	
	[number 0-24]	
	DK	
A.1.1.5.3	Did you add kerosene, diesel fuel, Stoddard solvent or oil to the	
	rodenticides that you mixed?	
	Yes	
	No	
	DK	
A.1.1.6	Did you work in an area where someone else applied any type of	
	chemicals to kill weeds, bugs, fungus or molds, or rodents such as rats?	
	Yes	[go to A.1.1.6.1]
	No	
	DK	
A.1.1.6.1	What type of chemicals were used? (allow multiple)	
	Herbicides or weed killers	
	Insecticides or bug killers	
	Fumigants	
	Fungicides to kill mold or fungus	
	Rodenticides to kill rodents, such as rats	
	Something else	
	DK	
A.1.1.7	Were your hands ever immersed in a solvent, a solvent-based product, or fuel?	
	Yes	
	No	
	DK	
A.1.1.8	Did you wear gloves while using solvents or solvent-based products?	
	Yes	
	No	
	Not applicable - did not use	
	solvents	
	DK	
A.1.1.9	Did you clean your hands with a solvent, a solvent-based product	
	or with fuel, such as gasoline? Yes	
	No	
	DK	
A.1.2	Did you apply a disinfectant or preservative to the crop? I don't	
	mean a chemical used to kill weeds or bugs.	
	Yes	[go to A.1.2.1-A.1.2.3]
	No	
	DK	
L		I .

		_
A.1.2.1	On average, how many days a year did you apply it?	
	[number 0-365]	
	DK	
A.1.2.2	On average, how many hours a day did you apply it?	
	[number 0-24]	
	DK	
A.1.2.3	Did you add kerosene, diesel fuel, Stoddard solvent or oil to the	
7 1121213	weed killers you mixed?	
	Yes	
	No	
	DK	
A.1.3	Did you apply fertilizer to the crop?	
	Yes	[go to A.1.3.1-A.1.3.3]
	No	[80
	DK	
A.1.3.1	On average, how many days a year did you apply it?	
	[number 0-365]	
	DK	
A.1.3.2	On average, how many hours a day did you apply it?	
	[number 0-24]	
	DK	
A.1.3.3	Did you add kerosene, diesel fuel, Stoddard solvent or oil to the	
	fertilizer you mixed?	
	Yes	
	No	
	DK	
A.1.4	Did you apply any chemical products into the soil to make the	
	plants grow better? Please say no if you only added fertilizer.	
	Yes	[go to A.1.4.1-A.1.4.4]
	No	
	DK	
A.1.4.1	What did you add? (allow multiple)	
	Polystyrene flakes	
	Urea-formaldehyde resin	
	Phenolic resin foam	
	Polyurethane foam	
	Something else	
	DK	
A.1.4.2	On average, how many days a year did you apply it?	
7.1.7.2	[number 0-365]	
	DK	
A 1 1 2		
A.1.4.3	On average, how many hours a day did you apply it?	
	[number 0-24]	
	DK	

A.1.4.4	Did you add kerosene, diesel fuel, Stodda chemical products you mixed?	rd solvent or oil to the
	Yes	
	No	
	DK	
A.2	On the farms you worked, were animals i	raised?
	Yes	[go to A.2.1]
	No	
	DK	
A.2.1	Were the animals ever housed in a buildi	ng?
	Yes	[go to A.2.1.1]
	No	
	DK	
A.2.1.1	Did you or anyone else ever fumigate the were housed?	area where the animals
	Yes	[go to A.2.1.1.1]
	No	
	DK	
A.2.1.1.1	What fumigant was used?	
	For	maldehyde
	Carl	oon tetrachloride
	Pho	sphine
	Oth	er fumigant
	DK	
A.3	In this job, did you ever repair or maintai property??	n equipment or
	Yes	[go to A.3.1-A.3.3]
	No	
	DK	
A.3.1	How many hours per week did you do thi	s?
	< 2	
	2 - 9	
	10 -	
		or more
	DK	
A.3.2	In this job, did you ever clean or degrease with chemicals?	e metal or plastic parts
	Yes	[go to A.3.2.1-A.3.2.5]
	No	
	DK	

A.3.2.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
A.3.2.2	When you cleaned metal or plastic parts, what did you use? Did	
	you use? (allow multiple)	
	Trichloroethylene	
	Gasoline or other fuels	
	Benzene, toluene, or xylene	
	Mineral spirits, stoddard solvent, turpentine or naphtha	
	Paint thinner	
	Any other solvent	
	Any other degreaser	
	DK	
A.3.2.3	Were the chemicals at room temperature or were they heated in	
	a tank, vat, or vapor degreaser? (allow multiple)	
	Room temperature	
	Heated in vapor degreaser Heated in vat or tank	
	Other	
	DK	
A.3.2.4	How did you clean the parts? Did you? (allow multiple)	
	Wipe with rag/cloth	
	Wipe with brush	
	Put in basket and manually dipped into tank	
	Put in basket and dipped into tank using automated system	
	Put into tank or bucket with hands	
	Other	
	DK	
A.3.2.5	Was there a local exhaust system to remove the dust, fumes or	
	vapors that was produced?	
	Yes	
	No DK	
A.3.2.6	Did other workers clean or degrease parts in the area where you	
A.5.2.0	worked?	
	Yes	[go to A.3.2.6.1]
	No	
	DK	
A.3.2.6.1	How many hours per week did other workers perform this task	
7.5.2.0.1	while you were working in this area?	
	< 2	
	2-9	
	10-19	
1	10-17	

	20 or more	
	DK	
A.3.3	In this job, did you ever handle or pump fuel?	f
	Yes	[go to A.3.3.1]
	No	
	DK	
A.3.3.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
A.4	Were your hands ever immersed in a solvent, a solvent-based product, or fuel?	
	Yes	
	No	
	DK	
A.5	Did you wear gloves while using solvents or solvent-based products?	
	Yes	
	No	
	Not applicable - did not use	
	solvents	
	DK	
A.6	Did you clean your hands with a solvent, a solvent-based product or with fuel, such as gasoline?	
	Yes	
	No	
	DK	
- D 4	SECTION B [aFDI]	
B.1	How would you best describe your job at this employer? Production (make, assemble, or process materials or	
	parts into products or finished goods)	
	Maintenance or Utilities (maintain or repair equipment,	[go to B.1.1-B.1.6]
	tools, property or utilities)	[8
	Quality Control, Environmental Control, Engineering or	
	Research	
	Shipping, Receiving or Storage	[go to B.1.7-B.1.10]
	Administration	
	DK	
B.1.1	In this job, did you ever clean or degrease metal or plastic parts with chemicals?	
	Yes	[go to B.1.1.1-B.1.1.5]
	No	
	DK	

B.1.1.1	How many hours per week did you o	lo this?	
	, , ,	< 2	
		2 - 9	
		10 - 19	
		20 or more	
		DK	
B.1.1.2	When you cleaned metal or plastic p	arts, what did you use? Did	
	you use? (allow multiple)		
		Trichloroethylene	
		Gasoline or other fuels	
		Benzene, toluene, or xylene	
		Mineral spirits, stoddard	
		solvent, turpentine or	
		naphtha Paint thinner	
		Any other solvent	
		Any other degreaser DK	
B.1.1.3	Move the characteristic at we are town on		
B.1.1.3	Were the chemicals at room temper a tank, vat, or vapor degreaser? (allo		
	a tarik, vat, or vapor degreaser. (and	Room temperature	
		Heated in vapor degreaser	
		Heated in vat or tank	
		Other	
		DK	
B.1.1.4	How did you clean the parts? Did yo	u? (allow multiple)	
	, , ,	Wipe with rag/cloth	
		Wipe with brush	
		Put in basket and manually	
		dipped into tank	
		Put in basket and dipped	
		into tank using automated	
		system	
		Put into tank or bucket with hands	
		Other	
		DK	
B.1.1.5	Was there a local exhaust system to	remove the dust, fumes or	
	vapors that was produced?		
		Yes	
		No	
		DK	

B.1.1.6	Did other workers clean or degrease parts in the area where you worked?	
	Yes	[go to B.1.1.6.1]
	No	
	DK	
B.1.1.6.1	How many hours per week did other workers perform this task	
	while you were working in this area?	
	< 2	
	2-9	
	10-19	
	20 or more	
	DK	
B.1.2	In this job, did you ever use paint?	
	Yes	[go to B.1.2.1-B.1.2.5]
	No	
	DK	
B.1.2.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more DK	
B.1.2.2	What did you usually use to apply the paint? (allow multiple)	
D.1.2.2	Brush	
	Roller	
	Electrostatic gun	
	Spray gun	
	Dip item into paint	
	Other	
D 4 0 0	DK	
B.1.2.3	Did you paint indoors or inside a ship?	[co to D 1 2 2 1 D 1 2 2 1
	Yes	[go to B.1.2.3.1-B.1.2.3.2
	No DV	
B.1.2.3.1	DK	
D.1.2.3.1	How many hours per week did you do this? < 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.1.2.3.2	Was there a local exhaust system to remove the dust, fumes or vapors that was produced?	
	Yes	
	No	
	110	The state of the s

B.1.2.3.3	Did you paint in a production area of a manufacturing plant?	
	Yes	[go to B.1.2.3.3.1]
	No	
	DK	
B.1.2.3.3.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.1.2.4	Did you paint outdoors?	
	Yes	[go to B.1.2.4.1]
	No	
	DK	
B.1.2.4.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.1.2.5	Did other workers use paints in the area where you worked?	
	Yes	[go to B.1.2.5.1]
	No	
	DK	
B.1.2.5.1	How many hours per week did other workers perform this task	
	while you were working in this area?	
	< 2	
	2-9	
	10-19	
	20 or more	
D.1.0	DK	
B.1.3	In this job, did you ever strip paint from metal or wood objects?	[co to D 1 2 1 D 1 2 2]
	Yes	[go to B.1.3.1-B.1.3.2]
	No	
B.1.3.1	DK	
D.1.3.1	How many hours per week did you do this? < 2	
	2 - 9	
	2 - 9 10 - 19	
	10 - 19 20 or more	
	DK	
	DIX	
I		1

B.1.3.2	To strip paint, what did you use? Did you use? (allow multiple)	
	Methylene chloride	
	Acids, alkalis, or caustic	
	solutions?	
	Any other chemical	
	Something else, such as a	
	heat gun or scraper	
	DK	
B.1.3.3	Did other workers strip paint from metal or wood objects in the	
	area where you worked?	
	Yes	[go to B.1.3.3.1]
	No	
	DK	
B.1.3.3.1	How many hours per week did other	
	workers perform this task while you	
	were working in this area?	
	< 2	
	2-9	
	10-19	
	20 or more	
	DK	
B.1.4	In this job, did you ever use glues or adhesives?	
	Yes	[go to B.1.4.1-B.1.4.8]
	No	
	DK	
B.1.4.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.1.4.2	What material were the things you were gluing made of? (allow	
	multiple)	
	Wood	
	Metal	
	Plastic	
	Paper	
	Fabrics	
	Other	
	DK	
B.1.4.3	Was there a local exhaust system to remove the dust, fumes or vapors that was produced?	
	Yes	
	No	
	DK	

B.1.4.4	Did you use water-based glues or adhesives, for example, vinyl or acrylic resins?	
	Yes	[go to B.1.4.4.1]
	No	
	DK	
B.1.4.4.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.1.4.5	Did you use glues or adhesives that you heated with a gun or other heated device?	
	Yes	[go to B.1.4.5.1]
	No	
	DK	
B.1.4.5.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.1.4.6	Did you use contact glues or adhesives where you apply the glue to both pieces being glued, let it dry for a short time, and then join the two pieces together?	
	Yes	[go to B.1.4.6.1]
	No	
	DK	
B.1.4.6.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.1.4.7	Did you use glues or adhesives that require mixing two parts of	
	the glue together before applying? (epoxy resins)	
	Yes	[go to B.1.4.7.1]
	No 	
	DK	
B.1.4.7.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	

	20 or more	
	DK	
B.1.4.8	Did you use urea, phenol or melamine-based glues or adhesives?	
	Yes	[go to B.1.4.8.1]
	No	
	DK	
3.1.4.8.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.1.4.9	Did other workers use glues or adhesives in the area where you	
	worked?	
	Yes	[ask B.1.4.9.1]
	No	
	DK	
3.1.4.9.1	How many hours per week did other workers perform this task	
	while you were working in this area?	
	< 2	
	2-9	
	10-19	
	20 or more	
	DK	
B.1.5	In this job, did you ever handle or use particle board, plywood, or veneered wood?	
	Yes	[go to B.1.5.1]
	No	
	DK	
B.1.5.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.1.5.2	Did other workers work with particle board, plywood, or	
	veneered wood in the area where you worked?	
	Yes	[go to B.1.5.2.1]
	No	
	DK	

B.1.5.2.1	How many hours per week did other workers perform this task	(
	while you were working in this area?	
	< 2	
	2-9	
	10-19	
	20 or more	
	DK	
B.1.6	In this job, did you ever handle or pump fuel?	
	Yes	[go to B.1.6.1]
	No	
	DK	
B.1.6.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.1.7	In this job, did you ever use paint?	
	Yes	[go to B.1.7.1-B.1.7.4]
	No	
	DK	
B.1.7.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.1.7.2	What did you usually use to apply the paint? (allow multiple)	
3.17.12	Brush	
	Roller	
	Electrostatic gun	
	Spray gun	
	Dip item into paint	
	Other	
	DK	
B.1.7.3	Did you paint indoors or inside a ship?	
D.1.7.3	Yes	[go to B.1.7.3.1-B.1.7.3.2]
	No	[go to B.1.7.3.1-B.1.7.3.2]
	DK	

B.1.7.3.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.1.7.3.2	Was there a local exhaust system to remove the dust, fumes or	
	vapors that was produced?	
	Yes	
	No	
	DK	
B.1.7.3.3	Did you paint in a production area of a manufacturing plant?	
	Yes	[go to B.1.7.3.3.1]
	No	
	DK	
B.1.7.3.3.1	How many hours per week did	
D.1.7.0.0.1	you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.1.7.4	Did you paint outdoors?	
3.1.,	Yes	[go to B.1.7.1.4.1]
	No	[80 00 21211121112]
	DK	
B.1.7.4.1	How many hours per week did you do this?	
D.1.7.1.1	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.1.7.5	Did other workers use paints in the area where you worked?	
D.1.7.5	Yes	[go to B.1.7.5.1]
	No	[go to B.1.7.5.1]
D 4 7 5 4	DK	
B.1.7.5.1	How many hours per week did other workers perform this task while you were working in this area?	
	< 2	
	2-9	
	10-19	
	20 or more	
	DK	

B.1.8	In this job, did you ever use glues or adhes	ves?	
	Yes		[go to B.1.8.1-B.1.8.8]
	No		
	DK		
B.1.8.1	How many hours per week did you do this?)	
	< 2		
	2 - 9		
	10 - 1	9	
	20 or	more	
	DK		
B.1.8.2	What material were the things you were gl multiple)	uing made of? (allow	
	Wood	d	
	Meta	I	
	Plasti	С	
	Pape	•	
	Fabri	CS	
	Othe	•	
	DK		
B.1.8.3	Was there a local exhaust system to remov	e the dust, fumes or	
	vapors that was produced?		
	Yes		
	No		
	DK		
B.1.8.4	Did you use water-based glues or adhesive acrylic resins?	s, for example, vinyl or	
	Yes		[go to B.1.8.4.1]
	No		
	DK		
B.1.8.4.1	How many hours per week did you do this?	•	
	< 2		
	2 - 9		
	10 - 1		
		more	
	DK		
B.1.8.5	Did you use glues or adhesives that you he other heated device?	ated with a gun or	
	Yes		[go to B.1.8.5.1]
	No		
	DK		

B.1.8.5.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.1.8.6	Did you use contact glues or adhesives where you apply the glue	
	to both pieces being glued, let it dry for a short time, and then	
	join the two pieces together?	
	Yes	[go to B.1.8.6.1]
	No	
	DK	
B.1.8.6.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.1.8.7	Did you use glues or adhesives that require mixing two parts of	
	the glue together before applying? (epoxy resins)	
	Yes	[go to B.1.8.7.1]
	No	
	DK	
B.1.8.7.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.1.8.8	Did you use urea, phenol or melamine-based glues or adhesives?	
	Yes	[go to B.1.8.8.1]
	No	
	DK	
B.1.8.8.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.1.8.9	Did other workers use glues or adhesives in the area where you	
В.1.8.9	Did other workers use glues or adhesives in the area where you	

	worked?	
	Yes	[ask B.1.8.9.1]
	No	
	DK	
B.1.8.9.1	How many hours per week did other workers perform this	task
	while you were working in this area?	
	< 2	
	2-9	
	10-19	
	20 or more	
	DK	
B.1.9	In this job, did you ever handle or use particle board, plyw venered wood?	ood, or
	Yes	[go to B.1.9.1]
	No	
	DK	
B.1.9.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.1.9.2	Did other workers work with particle board, plywood, or	
	veneered wood in the area where you worked?	
	Yes	[go to B.1.9.2.1]
	No	
	DK	
B.1.9.2.1	How many hours per week did other workers perform this	task
	while you were working in this area?	
	2-9 10-19	
	20 or more	
D 1 10	DK In this job, did you ever handle or pump fuel?	
B.1.10		[co to D 1 10 1]
	Yes No	[go to B.1.10.1]
	DK	
B.1.10.1	How many hours per week did you do this?	

1	< 2	I
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.2	Did you work in an area where preservatives were added to the food?	
	Yes	[go to B.2.1]
	No	[80 to 3.2.1]
	DK	
B.2.1	How many hours per week did you do work in this area?	
D.2.1	< 2	
	2 - 9	
	10 - 19	
	20 or more	
D.0	DK	
B.3	Did you work in an area where disinfectants were added to the food?	
	Yes	[go to B.3.1]
	No	[g0 t0 b.3.1]
	DK	
B.3.1		
B.3.1	How many hours per week did you do work in this area? < 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.4	Did you work in an area where fumigants were used?	
	Yes	[go to B.4.1]
	No	
	DK	
B.4.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
B.5	Were your hands ever immersed in a solvent, a solvent-based	
	product, or fuel?	
	Yes	
	No	
	DK	
B.6	Did you wear gloves while using solvents or solvent-based	

	products?		
	products:	Yes	
		No	
		Not applicable - did not use	
		solvents	
		DK	
B.7	Did you clean your hands with a solv	ent, a solvent-based product	
	or with fuel, such as gasoline?		
		Yes	
		No	
		DK	
	SECTION C [Degrease Mini-Module]		
C.1	In this job, did you ever clean or deg	rease metal or plastic parts	
	with chemicals?	Vac	[aa ta C 1 1 C 1 5]
		Yes	[go to C.1.1-C.1.5]
		No	
0.1.1		DK	
C.1.1	How many hours per week did you d		
		< 2	
		2 - 9	
		10 - 19	
		20 or more	
		DK	
C.1.2	When you cleaned metal or plastic p you use? (allow multiple)	arts, what did you use? Did	
	, ca accom (and it main pro)	Trichloroethylene	
		Gasoline or other fuels	
		Benzene, toluene, or xylene	
		Mineral spirits, stoddard	
		solvent, turpentine or	
		naphtha	
		Paint thinner	
		Any other solvent	
		Any other degreaser	
		DK	
C.1.3	Were the chemicals at room temper		
	a tank, vat, or vapor degreaser? (allo	•	
		Room temperature	
		Heated in vapor degreaser	
		Heated in vat or tank	
		Other	
		DK	
C.1.4	How did you clean the parts? Did you	ı ? (allow multiple)	
0.1.4	11011 dia you cican the parts. Did you	a (anow manpie)	I

	Wipe with rag/cloth Wipe with brush Put in basket and manually dipped into tank Put in basket and dipped into tank using automated system Put into tank or bucket with hands Other DK	
C.1.5	Was there a local exhaust system to remove the dust, fumes or vapors that was produced? Yes No DK	
C.2	Did other workers clean or degrease parts in the area where you worked? Yes No DK	[go to C.2.1]
C.2.1	How many hours per week did other workers perform this task while you were working in this area? < 2 2-9 10-19 20 or more DK SECTION D [Paint Mini-Module]	
D.1	In this job, did you ever use paint? Yes No DK	[go to D.1.1-D.1.5]
D.1.1	How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK	
D.1.2	What did you usually use to apply the paint? (allow multiple) Brush Roller Electrostatic gun Spray gun	

	Dip item into paint Other	
	DK	
D.1.3	Did you paint indoors or inside a ship?	
5.1.0	Yes	[go to D.1.3.1-D.1.3.2]
	No	[80 to 212.012 212.012]
	DK	
D.1.3.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
D.1.3.2	Was there a local exhaust system to remove the dust, fumes or	
	vapors that was produced?	
	Yes	
	No	
	DK	
D.1.3.3	Did you paint in a production area of a manufacturing plant?	
	Yes	[go to D.1.3.3.1]
	No	
	DK	
D.1.3.3.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
D.1.4	Did you paint outdoors?	
	Yes	[go to D.1.4.1]
	No	
	DK	
D.1.4.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
D.2	Did other workers use paints in the area where you worked?	
	Yes	[go to D.2.1]
	No	
	DK	
D.2.1	How many hours per week did other workers perform this task	

	[co to [1 1 [1 2]
	[go to E.1.1-E.1.3]
-	
-	
_	
Yes	[go to E.2.1]
No	
DK	
How many hours per week did other workers perform this task	
while you were working in this area?	
< 2	
2-9	
10-19	
20 or more	
DK	
SECTION F [Glue Mini-Module]	
1. In this job, did you ever use glues or adhesives?	
Yes	[go to F.1.1-F.1.8]
No	
DI/	
DK	
How many hours per week did you do this?	
	No DK How many hours per week did other workers perform this task while you were working in this area? <pre></pre>

	2 - 9		
	10 - 1	9	
	20 or		
	DK		
F.1.2	What material were the things you were glu	uing made of? (allow	
1.1.2	multiple)	ang made on tanow	
	Wood		
	Metal		
	Plastic		
	Paper		
	Fabrio		
	Other		
	DK		
F.1.3	Was there a local exhaust system to remove	e the dust, fumes or	
	vapors that was produced?		
	Yes		
	No		
	DK		
F.1.4	Did you use water-based glues or adhesives acrylic resins?	, for example, vinyl or	
	Yes	[go to F.1.4.1]	
	No		
	DK		
F.1.4.1	How many hours per week did you do this?		
	< 2		
	2 - 9		
	10 - 1	9	
	20 or	more	
	DK		
F.1.5	Did you use glues or adhesives that you hea other heated device?	ted with a gun or	
	Yes	[go to F.1.5.1]	
	No		
	DK		
F.1.5.1	How many hours per week did you do this?		
	< 2		
	2 - 9		
	10 - 1		
	20 or	more	
	DK		
F.1.6	Did you use contact glues or adhesives whe to both pieces being glued, let it dry for a st join the two pieces together?		

F.1.6.1 How many hours per week did you do this? <pre></pre>		Yes	[go to F.1.6.1]
F.1.6.1 How many hours per week did you do this? Comparison of the glue together before applying? (epoxy resins) Yes No DK		No	
F.1.7 Did you use glues or adhesives that require mixing two parts of the glue together before applying? (epoxy resins) Yes No DK F.1.7.1 How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK F.1.8 Did you use urea, phenol or melamine-based glues or adhesives? Yes No DK F.1.8.1 How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK F.1.8.2 Did other workers use glues or adhesives in the area where you		DK	
2 - 9 10 - 19 20 or more DK F.1.7 Did you use glues or adhesives that require mixing two parts of the glue together before applying? (epoxy resins) Yes No DK F.1.7.1 How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK F.1.8 Did you use urea, phenol or melamine-based glues or adhesives? Yes No DK F.1.8.1 How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK F.1.8.2 Did other workers use glues or adhesives in the area where you	F.1.6.1	How many hours per week did you do this?	
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F.1.7.1 How many hours per week did you do this? Caccord Cacc	F.1.7	Did you use glues or adhesives that require mixing two parts of	
F.1.7.1 How many hours per week did you do this?			
F.1.7.1 How many hours per week did you do this? <pre></pre>			[go to F.1.7.1]
F.1.7.1 How many hours per week did you do this? <pre></pre>			
F.1.8 Did you use urea, phenol or melamine-based glues or adhesives? Yes No DK F.1.8.1 How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK F.2 Did other workers use glues or adhesives in the area where you			
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F.1.8 Did you use urea, phenol or melamine-based glues or adhesives? Yes No DK F.1.8.1 How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK F.2 Did other workers use glues or adhesives in the area where you			
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F.1.8 Did you use urea, phenol or melamine-based glues or adhesives? Yes Yes No DK F.1.8.1 How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK F.2 Did other workers use glues or adhesives in the area where you			
Yes [go to F.1.8.1] No DK F.1.8.1 How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK F.2 Did other workers use glues or adhesives in the area where you			
F.1.8.1 How many hours per week did you do this?	F.1.8		r 0 . 1
F.1.8.1 How many hours per week did you do this? <pre></pre>			[go to F.1.8.1]
F.1.8.1 How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK F.2 Did other workers use glues or adhesives in the area where you			
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2 - 9 10 - 19 20 or more DK F.2 Did other workers use glues or adhesives in the area where you	F.1.8.1		
10 - 19 20 or more DK F.2 Did other workers use glues or adhesives in the area where you			
20 or more DK F.2 Did other workers use glues or adhesives in the area where you			
DK F.2 Did other workers use glues or adhesives in the area where you			
F.2 Did other workers use glues or adhesives in the area where you			
	F.0		
worked:	F.2		
Yes [ask F.2.1]			[ask F 2 1]
No [ask1.2.1]			[43K1.2.1]
DK			
F.2.1 How many hours per week did other workers perform this task	F 2 1		
while you were working in this area?			
< 2			
2-9		2-9	
10-19		10-19	
20 or more		20 or more	
DK		DK	
SECTION G [Board Mini-Module]		SECTION G [Board Mini-Module]	

G.1	In this job, did you ever handle or use particle board, plywood, or	
0.1	veneered wood?	
	Yes	[go to G.1.1]
	No	
	DK	
G.1.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
G.2	Did other workers work with particle board, plywood, or	
	veneered wood in the area where you worked?	[
	Yes	[go to G.2.1]
	No DV	
6.0.4	DK	
G.2.1	How many hours per week did other workers perform this task while you were working in this area?	
	< 2	
	2-9	
	10-19	
	20 or more	
	DK	
	SECTION H [Fuel Mini-Module]	
H.1	In this job, did you ever handle or pump fuel?	
	Yes	[go to H.1.1]
	No	
	DK	
H.1.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
	SECTION I [Hands mini-module]	
l.1	Were your hands ever immersed in a solvent, a solvent-based	
	product, or fuel?	
	Yes	
	No	
1.0	DK	
1.2	Did you wear gloves while using solvents or solvent-based products?	
	Yes	
	No	

	Not applicable - did not use solvents DK	
1.3	Did you clean your hands with a solvent, a solvent-based product or with fuel, such as gasoline?	
	Yes	
	No	
	DK	

	INDUSTRY SOLVENT (INSOL) MODULE	
1	How would you best describe your job at this employer?	
	Production (make, assemble, or process materials or	[go to 2]
	parts into products or finished goods)	
	Maintenance or Utilities (maintain or repair equipment,	[go to 1.1-1.6]
	tools, property or utilities)	5
	Quality Control, Environmental Control, Engineering or	[go to 1.7-1.8]
	Research Shipping, Receiving or Storage	[go to 1.9-1.12]
	Administration	[go to 2]
	DK	[go to 2]
1.1	[Degrease Mini-Module]	[go to 2]
1.2	[Paint Mini-Module]	
1.3	[Strip Mini-Module]	
1.4	[Glue Mini-Module]	
1.5	[Board Mini-Module]	
1.6	[Fuel Mini-Module]	[go to 2]
1.7	Did you take samples from the process or production line for	
	testing purposes?	
	Yes	[go to 1.7.1]
	No	
	DK	
1.7.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
1.8	Did you perform chemical or physical tests on process or product samples?	
	Yes	[go to 1.8.1]
	No	[go to 2]
	DK	[go to 2]
1.8.1	How many hours per week did you do this?	10 1
	< 2	[go to 2]
	2 - 9	[go to 2]
	10 - 19	[go to 2]
	20 or more	[go to 2]
	DK	[go to 2]
1.9	[Paint Mini-Module]	1.0 1
1.10	[Glue Mini-Module]	
1.11	[Board Mini-Module]	
1.12	[Fuel Mini-Module]	
2	[Hands mini-module]	

	LEATHER INDUSTRY (LEI) MODULE	
1	Did your employer make leather, make a leather product, or do	
-	both?	
	Make leather	
	Make leather product	
	Both	
	DK	
2	What color was the leather? (allow multiple)	
	Brown	
	Pale cream or white	
	Other	
	DK	
3	How would you best describe your job at this employer?	
	Production (make, assemble, or process materials or	[go to 3.1 - 3.2]
	parts into products or finished goods)	
	Maintenance or Utilities (maintain or repair equipment,	[go to 3.3-3.8]
	tools, property or utilities)	
	Quality Control, Environmental Control, Engineering or	[go to 4]
	Research	[
	Shipping, Receiving or Storage	[go to 3.9-3.12]
	Administration	[go to 4]
	DK	[go to 4]
3.1	Was the leather or leather product from animal hides or skins, or	
	was the leather synthetic or man-made?	[aa ta 2 4 4 2 4 2]
	Animal hide	[go to 3.1.1-3.1.3]
	Synthetic or man-made	[go to 3.1.4-3.1.6]
	Both	[go to 3.1.7 - 3.1.12]
	Something else	[go to 4]
0.4.4	DK	[go to 4]
3.1.1	Was the leather already tanned or prepared, or did hides or skin	
	come into the plant that had to have the hair and flesh removed and tanning done to the hides and skins?	
	Already tanned	
	Hair still on/needed tanning	[go to 3.1.1.1-3.1.1.3]
	Other	[80 to 3.1.1.1 3.1.1.3]
	DK	
3.1.1.1	Did you work in the area where the hide or skin was prepared for	
5.1.1.1	tanning?	
	Yes	[go to 3.1.1.1.1]
	No	[0- 0- 0-1-1-1-1
	DK	
		I .
31111		
3.1.1.1.1	How many hours per week did you do work in this area?	

	10 - 19	
	20 or more	
	DK	
3.1.1.2	Did you work in the area where the hides and skins were tanned?	
	Yes	[go to 3.1.1.2.1]
	No	
	DK	
3.1.1.2.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
3.1.1.3	Did you work in the area where the tanned leather was stuffed or	
	fat liquored?	
	Yes	[go to 3.1.1.3.1]
	No	
	DK	
3.1.1.3.1	Did you apply the chemicals to stuff or fat liquor the leather?	
	Yes	[go to 3.1.1.3.1.1-3.1.1.3.1.2]
	No	
	DK	
3.1.1.3.1.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more DK	
3.1.1.3.1.2		
3.1.1.3.1.2	Oils	
	TCE or trichloroethylene	
	Perchloroethylene (perc) or tetrachloroethylene (tetra)	
	Some other chemicals	
	DK	
3.1.2	Did you apply a chemical to the leather?	
	Yes	[go to 3.1.2.1]
	No	
	DK	
3.1.2.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	

3.1.3	Did you work in the area where the tanned leather was dried, set	
	out, stretched and softened?	
	Yes	[go to 3.1.3.1]
	No	
	DK	
3.1.3.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
3.1.4	Did you work in the area where chemicals were mixed to make a leather-like resin or plastic?	
	Yes	[go to 3.1.4.1]
	No	
	DK	
3.1.4.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
3.1.5	Did you work in the area where chemicals were heated to make a leather-like resin or plastic?	
	Yes	[go to 3.1.5.1]
	No	
	DK	
3.1.5.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
3.1.6	Did you work in the area where chemicals were extruded to	
	make a leather-like resin or plastic?	
	Yes	[go to 3.1.6.1]
	No	
	DK	
3.1.6.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	

3.1.7	Was the leather already tanned or prepared, or did hides or skin come into the plant that had to have the hair and flesh removed	
	and tanning done to the hides and skins? Already tanned	
		[co to 2.1.7.1.2.1.7.2]
	Hair still on/needed tanning Other	[go to 3.1.7.1-3.1.7.3]
	DK	
2474		
3.1.7.1	Did you work in the area where the hide or skin was prepared for tanning?	
	Yes	[go to 3.1.1.7.1]
	No	
	DK	
3.1.7.1.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
3.1.7.2	Did you work in the area where the hides and skins were tanned?	
	Yes	[go to 3.1.7.2.1]
	No	
	DK	
3.1.7.2.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
3.1.7.3	Did you work in the area where the tanned leather was stuffed or	
	fat liquored?	[0.4.7.0.4]
	Yes	[go to 3.1.7.3.1]
	No	
	DK	
3.1.7.3.1	Did you apply the chemicals to stuff or fat liquor the leather?	
	Yes	[go to 3.1.7.3.1.1- 3.1.7.3.1.2]
	No	
	DK	
3.1.7.3.1.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	

3.1.7.3.1.2	What chemicals did you use? (allow multiple)	
	Oils	
	TCE or trichloroethylene	
	Perchloroethylene (perc) or tetrachloroethylene (tetra)	
	Some other chemicals	
	DK	
3.1.8	Did you apply a chemical to the leather?	
	Yes	[go to 3.1.8.1]
	No	
	DK	
3.1.8.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
3.1.9	Did you work in the area where the tanned leather was dried, set	
	out, stretched and softened?	
	Yes	[go to 3.1.9.1]
	No	
	DK	
3.1.9.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
3.1.10	Did you work in the area where chemicals were mixed to make a leather-like resin or plastic?	
	Yes	[go to 3.1.10.1]
	No	
	DK	
3.1.10.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
3.1.11	Did you work in the area where chemicals were heated to make a leather-like resin or plastic?	
	Yes	[go to 3.1.11.1]
	No	'
	DK	

3.1.11.1	How many hours per week did you do work in this area?	
3.1.11.1	How many hours per week did you do work in this area? < 2	
	2 - 9	
	10 - 19	
	20 or more	
0.4.40	DK	
3.1.12	Did you work in the area where chemicals were extruded to make a leather-like resin or plastic?	
	Yes	[go to 3.1.12.1]
	No	
	DK	
3.1.12.1	How many hours per week did you do work in this area?	
3.1.12.1	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
3.2	Did you work in the area where the leather pieces were glued	
5.2	together or glued to metal or plastic pieces?	
	Yes	[go to 3.2.1 - 3.2.2]
	No	1.0
	DK	
3.2.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
3.2.2	Did you do the gluing?	
	Yes	[go to 3.2.2.1]
	No	1
	DK	
3.2.2.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
3.3	[Degrease Mini-Module]	
3.4	[Paint Mini-Module]	
3.5	[Strip Mini-Module]	
3.6	[Glue Mini-Module]	
3.7	[Board Mini-Module]	
	1 -	

3.8	[Fuel Mini-Module]
3.9	[Paint Mini-Module]
3.10	[Glue Mini-Module]
3.11	[Board Mini-Module]
3.12	[Fuel Mini-Module]
4	[Hands mini-module]

	LUMBER INDUSTRY (LUI) MODULE		
1	What did the employer do? (allow multi	ple)	
	Cut trees		[go to 2]
	Cut up logs in a sawmill		[go to 2]
	Make plywood, particle board, or	r other type of composite	[go to 1.1]
	board		
	Make veneered wood		[go to 1.2]
	Make cork		[go to 2]
	Something else		[go to 2]
	DK		[go to 2]
1.1	In the factory where plywood, particle b		
	composite board were made, did you op		[
	Yes	_	[go to 1.1.1-1.1.3]
	No		
	DK		
1.1.1	How many hours per week did you do th		
	< 2		
	2 -		
		- 19	
		or more	
	DK		
1.1.2	What did the machine do?		
	Sav		
		at or treat with chemicals	
		eat press	
		mething else	
	DK		
1.1.3	Did the machine have direct ventilation	that removed the dust,	
	fumes, or vapors from your area? Ye:	r	
	No		
	DK		
1.2	In the factory where veneered wood wa		
1.2	a machine?	s made, did you operate	
	Ye:	S	[go to 1.2.1-1.2.3]
	No		[8]
	DK		
1.2.1	How many hours per week did you do th		
	< 2		
	2 -		
		- 19	
		or more	
	DK		
			L

1.2.2	What did the machine do?		
		Saw	
		Coat or treat with chemicals	
		Heat press	
		Something else	
		DK	
1.2.3	Did the machine have direct ventilation	on that removed the dust,	
	fumes, or vapors from your area?		
		Yes	
		No	
		DK	
2	In this job, did you ever repair or mai	ntain equipment or	
	property??		
		Yes	[go to 2.1-2.6]
		No	[go to 3]
		DK	[go to 3]
2.1	[Degrease Mini-Module]		
2.2	[Paint Mini-Module]		
2.3	[Stain Mini-Module]		
2.4	[Strip Mini-Module]		
2.5	[Glue Mini-Module]		
2.6	[Fuel Mini-Module]		
3	[Hands mini-module]		

	OIL REFINING INDUSTRY (ORI)		
1	How would you best describe your job at	this employer?	
	Production (make, assemble, or process materials or		[go to 2]
	parts into products or finish	_	_
	Maintenance or Utilities (mainta	ain or repair equipment,	[go to 1.1-1.6]
	tools, property or utilities)	0 5 1	[
	Quality Control, Environmental (Research	Control, Engineering or	[go to 1.7-1.8]
	Shipping, Receiving or Storage		[go to 1.9-1.12]
	Administration		[go to 2]
	DK		[go to 2]
1.1	[Degrease Mini-Module]		
1.2	[Paint Mini-Module]		
1.3	[Strip Mini-Module]		
1.4	[Glue Mini-Module]		
1.5	[Board Mini-Module]		
1.6	[Fuel Mini-Module]		[go to 2]
1.7	Did you take samples from the process or	r production line for	_
	testing purposes?		
	Yes		[go to 1.7.1]
	No		
	DK		
1.7.1	How many hours per week did you do this?		
	< 2		
	2 - 9	9	
	10 -	· 19	
	20 d	or more	
	DK		
1.8	Did you perform chemical or physical test samples?	ts on process or product	
	Yes		[go to 1.8.1]
	No		[go to 2]
	DK		[go to 2]
1.8.1	How many hours per week did you do thi	s?	
	< 2		[go to 2]
	2 - 9	9	[go to 2]
	10 -		[go to 2]
		or more	[go to 2]
	DK		[go to 2]
1.9	[Paint Mini-Module]		-0 -1
1.10	[Glue Mini-Module]		
1.11	[Board Mini-Module]		
1.12	[Fuel Mini-Module]		
2	Did you work in FRACTIONATION? (This is	where the crude oil is	

	processed to remove water, organic salts, and sulfur)	
	Yes	[go to 2.1]
	No	[8]
	DK	
2.1	How many hours per week did you do work in this area?	
2.1	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
3	Did you work in CRACKING? (This is where cracking occurs)	[
	Yes	[go to 3.1]
	No	
	DK	
3.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
4	Did you work in COKING? (very heavy residual oils formed into gasoline and diesel fuel, leaving petroleum coke as a residual product)	
	Yes	[go to 4.1]
	No	
	DK	
4.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
5	Did you work in LIQUID FUEL BLENDING? (This is where fuels are blended)	
	Yes	[go to 5.1]
	No	
	DK	
5.1	How many hours per week did you do work in this area?	
_	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
6	Did you work in an area where benzene or benzole was	

	nua duna d?		
	produced? Ye	•	[co to 4 1]
			[go to 6.1]
	No		
	Dk		
6.1	How many hours per week did you do w		
	< 2		
	2 -		
) - 19	
		or more	
	Dł	<	
7	Did you work in the TANK FARM? (This i	is where the products are	
	stored)		
	Ye		[go to 7.1]
	No		
	Dk		
7.1	How many hours per week did you do w		
	< 2		
		- 9	
	10) - 19	
	20	or more	
	DH	<	
8	Did you work in LOADING? (This is wher were loaded)	re barges, trains, trucks	
	Ye	es ·	[go to 8.1]
	No)	
	DH	<	
8.1	How many hours per week did you do w	vork in this area?	
	< 2	2	
	2 -	- 9	
	10) - 19	
	20	or more	
	Dk	<	
9	[Hands mini-module]		

	PESTICIDE (PE) MODULE	
1	In this job, did you ever apply any type of chemicals to kill weeds,	
	bugs, fungus or molds, or rodents such as rats?	
	Yes	[go to 1.1-1.5]
	No	[go to 1.6]
	DK	[go to 2]
1.1	Did you apply herbicides or weed killers?	10 1
	Yes	[go to 1.1.1-1.1.3]
	No	
	DK	
1.1.1	On average, how many times a year did you apply herbicides or weed killers?	
	[number 0-1000]	
	DK	
1.1.2	Each time you did this, how many hours did it take?	
	[number 0-24]	
	DK	
1.1.3	Did you add kerosene, diesel fuel, Stoddard solvent or oil to the	
	weed killers or herbicides that you mixed?	
	Yes	
	No	
	DK	
1.2	Did you apply insecticides or bug killers?	
	Yes	[go to 1.2.1-1.2.3]
	No	
	DK	
1.2.1	On average, how many times a year did you apply insecticides or bug killers?	
	[number 0-1000]	
	DK	
1.2.2	Each time you did this, how many hours did it take?	
	[number 0-24]	
	DK	
1.2.3	Did you add kerosene, diesel fuel, Stoddard solvent or oil to the insecticides or bug killers that you mixed?	
	Yes	
	No	
	DK	
1.3	Did you apply fumigants?	
	Yes	[go to 1.3.1-1.3.3]
	No	
	DK	

1.3.1	On average, how many times a year did you apply fumigants?	
	[number 0-1000]	
	DK	
1.3.2	Each time you did this, how many hours did it take?	
	[number 0-24]	
	DK	
1.3.3	Did you add kerosene, diesel fuel, Stoddard solvent or oil to the	
1.0.0	fumigants that you mixed?	
	Yes	
	No	
	DK	
1.4	Did you apply fungicides to kill mold or fungus?	
1	Yes	[go to 1.4.1-1.4.3]
	No	[60 to 1.4.1 1.4.0]
	DK	
1.1.1		
1.4.1	On average, how many times a year did you apply fungicides?	
	[number 0-1000]	
	DK	
1.4.2	Each time you did this, how many hours did it take?	
	[number 0-24]	
	DK	
1.4.3	Did you add kerosene, diesel fuel, Stoddard solvent or oil to the	
	fungicides that you mixed?	
	Yes	
	No	
	DK	
1.5	Did you apply rodenticides to kill rodents, such as rats?	
	Yes	[go to 1.5.1-1.5.3]
	No	
	DK	
1.5.1	On average, how many times a year did you apply rodenticides?	
	[number 0-1000]	
	DK	
1.5.2	Each time you did this, how many hours did it take?	
	[number 0-24]	
	DK	
1.5.3	Did you add kerosene, diesel fuel, Stoddard solvent or oil to the	
1.5.5	rodenticides that you mixed?	
	Yes	
	No	
	DK	
1.6	Did you work in an area where someone else applied any type of	
1	, , , , _ , _ , _ , _	ı

	chemicals to kill weeds, bugs, fungus	s or molds, or rodents such as	
		Yes	[go to 1.6.1]
		No	
		DK	
1.6.1	What type of chemicals were used?	(allow multiple)	
		Herbicides or weed killers	
		Insecticides or bug killers	
		Fumigants	
		Fungicides to kill mold or	
		fungus	
		Rodenticides to kill rodents,	
		such as rats	
		Something else	
		DK	
2	[Hands mini-module]		

	PHOTOGRAPHIC INDUSTRY (PHI) MODULE	
1	Did your employer make photographic film?	
	Yes	[go to 1.1-1.4]
	No	[go to 2]
	DK	[go to 2]
1.1	How would you best describe your job at this employer?	
	Production (make, assemble, or process materials or	[go to 1.2]
	parts into products or finished goods)	
	Maintenance or Utilities (maintain or repair equipment,	[go to 1.1.1-1.1.6]
	tools, property or utilities)	
	Quality Control, Environmental Control, Engineering or	[go to 1.1.7-1.1.8]
	Research	
	Shipping, Receiving or Storage	[go to 1.1.9-1.1.12]
	Administration	[go to 1.2]
	DK	[go to 1.2]
1.1.1	[Degrease Mini-Module]	
1.1.2	[Paint Mini-Module]	
1.1.3	[Strip Mini-Module]	
1.1.4	[Glue Mini-Module]	
1.1.5	[Board Mini-Module]	
1.1.6	[Fuel Mini-Module]	[go to 1.2]
1.1.7	Did you take samples from the process or production line for	
	testing purposes?	
	Yes	[go to 1.1.7.1]
	No	
	DK	
1.1.7.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
1.1.8	Did you perform chemical or physical tests on process or product	
	samples?	
	Yes	[go to 1.1.8.1]
	No	[go to 1.2]
	DK	[go to 1.2]
1.1.8.1	How many hours per week did you do this?	
	< 2	[go to 1.2]
	2 - 9	[go to 1.2]
	10 - 19	[go to 1.2]
	20 or more	[go to 1.2]
	DK	[go to 1.2]
1.1.9	[Paint Mini-Module]	
	ı	1

4 4 40	[Glocal Advict National Land	
1.1.10	[Glue Mini-Module]	
1.1.11	[Board Mini-Module]	
1.1.12	[Fuel Mini-Module]	
1.2	Did you work in the area where the film was made from	
	chemicals?	
	Yes	[go to 1.2.1]
	No	
	DK	
1.2.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
1.3	Did you work in the drying area?	
	Yes	[go to 1.3.1]
	No	
	DK	
1.3.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
1.4	Did you work in the area where the film was rolled onto a	
	canister?	
	Yes	[go to 1.4.1]
	No	
	DK	
1.4.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
2	Did your employer develop photographic film?	
	Yes	[go to 2.1]
	No	
	DK	
2.1	Did you develop the film?	
	Yes	[go to 2.1.1]
	No	
	DK	
2.1.1	Did you use formaldehyde during the processing of the film?	

	Yes	[go to 2.1.1.1]
	No	
	DK	
2.1.1.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
3	[Hands mini-module]	

	PLASTICS INDUSTRY (PLI) MODULE		
1	How would you best describe your job at this em	ployer?	
	Production (make, assemble, or process materials or parts into products or finished goods) Maintenance or Utilities (maintain or repair equipment, tools, property or utilities)		o to 2]
			o to 1.1-1.6]
	Quality Control, Environmental Control, Research	Engineering or [g	o to 1.7-1.8]
	Shipping, Receiving or Storage	[g	o to 1.9-1.12]
	Administration	[g	o to 2]
	DK	[g	o to 2]
1.1	[Degrease Mini-Module]		-
1.2	[Paint Mini-Module]		
1.3	[Strip Mini-Module]		
1.4	[Glue Mini-Module]		
1.5	[Board Mini-Module]		
1.6	[Fuel Mini-Module]	[g	o to 2]
1.7	Did you take samples from the process or produc		<u>-</u>
	testing purposes?		
	Yes	[g	o to 1.7.1]
	No		
	DK		
1.7.1	How many hours per week did you do this?		
	< 2		
	2 - 9		
	10 - 19		
	20 or more		
	DK		
1.8	Did you perform chemical or physical tests on prosamples?	ocess or product	
	Yes	[g	o to 1.8.1]
	No	[g	o to 2]
	DK	[g	o to 2]
1.8.1	How many hours per week did you do this?		
	< 2	[g	o to 2]
	2 - 9	[g	o to 2]
	10 - 19	[g	o to 2]
	20 or more	[g	o to 2]
	DK	[g	o to 2]
1.9	[Paint Mini-Module]		
1.10	[Glue Mini-Module]		
1.11	[Board Mini-Module]		
1.12	[Fuel Mini-Module]		
2	What type of plastics were being made by your e	mployer? (allow	

	It-ala\		
	multiple)	polystyrene	
		phenol-formaldehyde	
		polypropylene	
		urea-formaldehyde	
		polyester	
		melamine	
		Something else	
		DK	
3	Did you work in the area where the p	_	
	either by a mold machine or a press?		
		Yes	[go to 3.1]
		No	
		DK	
3.1	How many hours per week did you do	o work in this area?	
		< 2	
		2 - 9	
		10 - 19	
		20 or more	
		DK	
4	Did you work in the finishing or packi	ng area?	
		Yes	[go to 4.1]
		No	
		DK	
4.1	How many hours per week did you do		
		< 2	
		2 - 9	
		10 - 19	
		20 or more	
		DK	
5	Did you work in some other area?		
		Yes	[go to 5.1]
		No	[80 (0 3.1]
F 4		DK	
5.1	How many hours per week did you do		
		< 2	
		2 - 9	
		10 - 19	
		20 or more	
		DK	
6	[Hands mini-module]		

	PULP AND PAPER INDUSTRY (PPI) MODULE		
1	How would you best describe your job at this em	oloyer?	
	Production (make, assemble, or process materials or parts into products or finished goods) Maintenance or Utilities (maintain or repair equipment, tools, property or utilities)		[go to 2]
			[go to 1.1-1.6]
	Quality Control, Environmental Control, Research	Engineering or	[go to 1.7-1.8]
	Shipping, Receiving or Storage		[1.9-1.12]
	Administration		[go to 2]
	DK		[go to 2]
1.1	[Degrease Mini-Module]		10 1
1.2	[Paint Mini-Module]		
1.3	[Strip Mini-Module]		
1.4	[Glue Mini-Module]		
1.5	[Board Mini-Module]		
1.6	[Fuel Mini-Module]		[go to 2]
1.7	Did you take samples from the process or produ	ction line for	
	testing purposes?		
	Yes		[go to 1.7.1]
	No		
	DK		
1.7.1	How many hours per week did you do this?		
	< 2		
	2 - 9		
	10 - 19		
	20 or more		
	DK		
1.8	Did you perform chemical or physical tests on prosamples?	cess or product	
	Yes		[go to 1.8.1]
	No		[go to 2]
	DK		[go to 2]
1.8.1	How many hours per week did you do this?		
	< 2		[go to 2]
	2 - 9		[go to 2]
	10 - 19		[go to 2]
	20 or more		[go to 2]
	DK		[go to 2]
1.9	[Paint Mini-Module]		
1.10	[Glue Mini-Module]		
1.11	[Board Mini-Module]		
1.12	[Fuel Mini-Module]		
2	Did you work in a paper mill?		

	Yes	[go to 2.1-2.4]
	No	
	DK	
2.1	Did you work in an area where recycled paper was prepare	ed for
	the papermaking process?	
	Yes	[go to 2.1.1]
	No	
	DK	
2.1.1	Did you remove ink from waste paper?	
	Yes	[go to 2.1.1.1]
	No	
	DK	
2.1.1.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
2.2	Did you work in the area where the paper machine was loo	cated?
	Yes	[go to 2.2.1]
	No	
	DK	
2.2.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
2.3	Did you work in the drying area?	
	Yes	[go to 2.3.1]
	No	
	DK	
2.3.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
2.4	Did you work in the coating area?	
	Yes	[go to 2.4.1]
	No	
	DK	
2.4.1	How many hours per week did you do work in this area?	

		< 2	
		2 - 9	
		10 - 19	
		20 or more	
		DK	
3	Did you work in a pulp mill?		
		Yes	[go to 3.1]
		No	
		DK	
3.1	How many hours per week did you o	do work in this area?	
		< 2	
		2 - 9	
		10 - 19	
		20 or more	
		DK	
4	[Hands mini-module]		

	PRINTING INDUSTRY (PRI) MODULE	
1	How would you best describe your job at this employer?	
_	Production (make, assemble, or process materials or	[go to 2]
	parts into products or finished goods)	
	Maintenance or Utilities (maintain or repair equipment,	[go to 1.1-1.6]
	tools, property or utilities)	
	Quality Control, Environmental Control, Engineering or	
	Research	
	Shipping, Receiving or Storage	[go to 1.7-1.10]
	Administration	[go to 2]
	DK	[go to 2]
1.1	[Degrease Mini-Module]	
1.2	[Paint Mini-Module]	
1.3	[Strip Mini-Module]	
1.4	[Glue Mini-Module]	
1.5	[Board Mini-Module]	
1.6	[Fuel Mini-Module]	[go to 2]
1.7	[Paint Mini-Module]	
1.8	[Glue Mini-Module]	
1.9	[Board Mini-Module]	
1.10	[Fuel Mini-Module]	
2	Did you ever work in the plate making, plate engraving, or screen	
	preparation area?	[
	Yes	[go to 2.1-2.3]
	No	
	DK	
2.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
2.2	Did you clean the printing plates?	[
	Yes	[go to 2.2.1]
	No	
	DK	
2.2.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
2.2.2	What chamicals did you use to clean the relates? /-!!	
2.2.2	What chemicals did you use to clean the plates? (allow multiple)	

2.3	Carbon tetrachloride Trichloroethylene Trichloroethane Chloroform Perchloroethylene (perc) or tetrachloroethylene (tetra) Gasoline or other fuels Some other chemical DK Did you wash or clean screens that are used in a silkscreen-like	
	process? Yes No	[go to 2.3.1-2.3.2]
2.3.1	DK How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK	
2.3.2	What chemicals did you use to clean the screens? (allow multiple) Carbon tetrachloride Trichloroethylene Trichloroethane Chloroform Perchloroethylene (perc) or tetrachloroethylene (tetra) Gasoline or other fuels Some other chemical DK	
3	Did you ever work in the area where the ink was prepared? Yes No DK	[go to 3.1-3.2]
3.1	How many hours per week did you do work in this area? < 2 2 - 9 10 - 19 20 or more DK	
3.2	Did you prepare or mix the ink? Yes No DK	[go to 3.2.1-3.2.2]
3.2.1	How many hours per week did you do this?	

I		
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
3.2.2	Did you use solvents or chemicals other than water to dilute the	
	ink?	
	Yes	
	No	
	DK	
4	Did you ever work in the printing room or area?	
	Yes	[go to 4.1-4.2]
	No	
	DK	
4.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
4.0	DK	
4.2	Did you run the press?	[to 4 0 4]
	Yes	[go to 4.2.1]
	No	
	DK	
4.2.1	Did you wash or clean the plates or presses?	
	Yes	[go to 4.2.1.1-4.2.1.2]
	No	
	DK	
4.2.1.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
4.2.1.2	What chemicals did you use to clean the plates or presses? (allow multiple)	
	Carbon tetrachloride	
	Trichloroethylene	
	Trichloroethane	
	Chloroform	
	Perchloroethylene (perc) or tetrachloroethylene (tetra)	
	Gasoline or other fuels	
	Some other chemical	
	DK	
5	Did you ever work in the area where the ink was cured or the	

	printing material was dried?	
	Yes	[go to 5.1-5.2]
	No	
	DK	
5.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
5.2	[Vent Mini-module]	
6	Did you ever work in the bookbinding area or an area where	
	paper was folded, trimmed, glued, stapled, or stitched?	
	Yes	[go to 6.1-6.2]
	No	
	DK	
6.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
6.2	Did you run the gluing machine?	
	Yes	[go to 6.2.1]
	No	
	DK	
6.2.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
7	[Hands mini-module]	

	RUBBER INDUSTRY (RUI)		
1	1 How would you best describe your job at this employer?		
	Production (make, assemble, or process materials or parts into products or finished goods)		[go to 2]
	Maintenance or Utilities (maintain o	r repair equipment,	[go to 1.1-1.5]
	tools, property or utilities)		
	Quality Control, Environmental Cont	trol, Engineering or	[go to 1.6-1.7]
	Research		
	Shipping, Receiving or Storage		[go to 1.8-1.10]
	Administration		[go to 2]
	DK		[go to 2]
1.1	[Degrease Mini-Module]		
1.2	[Paint Mini-Module]		
1.3	[Strip Mini-Module]		
1.4	[Board Mini-Module]		
1.5	[Fuel Mini-Module]		[go to 2]
1.6	Did you take samples from the process or pro	duction line for	
	testing purposes?		[
	Yes		[go to 1.6.1]
	No		
	DK		
1.6.1	How many hours per week did you do this?		
	< 2		
	2 - 9		
	10 - 19		
	20 or m	ore	
	DK		
1.7	Did you perform chemical or physical tests or	process or product	
	samples?		
	Yes		[go to 1.7.1]
	No		[go to 2]
	DK		[go to 2]
1.7.1	How many hours per week did you do this?		
	< 2		[go to 2]
	2 - 9		[go to 2]
	10 - 19		[go to 2]
	20 or m	ore	[go to 2]
	DK		[go to 2]
1.8	[Paint Mini-Module]		
1.9	[Board Mini-Module]		
1.10	[Fuel Mini-Module]		

2	Did you work in the weighing area?	
	Did you work in the weighing area?	[aa ta 0 1]
	Yes	[go to 2.1]
	No	
	DK	
2.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
3	Did you work in the modeling area. (This is the area where rubbe	r
	parts are glued or cemented together)?	
	Yes	[go to 3.1 - 3.3]
	No	
	DK	
3.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
3.2	Did you make rubber cement by mixing rubber and solvents or	
5.2	gasoline together?	
	Yes	
	No	
	DK	
3.3	Did you glue rubber and metal together to make rubber-to-metal	
3.5	bonds?	
	Yes	[go to 3.3.1]
	No	[0]
	DK	
3.3.1	[Degrease mini-module]	
3.3.1	Did you work in the curing area?	
4	Yes	[go to 4.1]
	No	[80 (0 4.1]
	DK	
4.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	

5	Did you work in the finishing/ repair area?	
	Yes	[ask 5.1 - 5.2]
	No	
	DK	
5.1	How many hours per week did you do work in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
5.2	Did you use a solvent or gasoline to 'polish' the rubber?	
	Yes	
	No	
	DK	
6	[Hands Mini-module]	

	SHOE MANUFACTURING INDUSTRY (SHI) (LONG)	
1	How would you best describe your job at this employer?	
	Production (make, assemble, or process materials or	[go to 1.1 - 1.2]
	parts into products or finished goods)	
	Maintenance or Utilities (maintain or repair equipment,	[go to 1.3-1.7]
	tools, property or utilities)	
	Quality Control, Environmental Control, Engineering or	
	Research Shipping, Receiving or Storage	[go to 1.8-1.10]
	Administration	
		[go to 2]
4.4	DK	[go to 2]
1.1	What type of shoes did you make? (allow multiple)	
	Leather shoes	
	Textile shoes	
	Rubber/plastic shoes or boots	
	Other	
	DK	
1.2	In this job, what part of the shoe-making process did you do? Did	
	you? (allow multiple) Cut the upper part of the shoe	
	Sew the upper part of the shoe	
	Use a model (or last) to shape the upper part of the shoe	
	Glue the upper part of the shoe to the sole	
	Finish or polish the assembled shoe	
	Something else	
	DK	
1.3	In this job, did you ever clean or degrease metal or plastic parts	
1.0	with chemicals?	
	Yes	[go to 1.3.1-1.3.5]
	No	
	DK	
1.3.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
1.3.2	When you cleaned metal or plastic parts, what did you use? Did	
	you use? (allow multiple)	
	Trichloroethylene	
	Gasoline or other fuels	
	Benzene, toluene, or xylene	
	Mineral spirits, stoddard solvent, turpentine or naphtha	

	Paint thinner	
	Any other solvent	
	Any other degreaser	
	DK	
1.3.3	Were the chemicals at room temperature or were they had a tank, vat, or vapor degreaser? (allow multiple) Room temperature	
	Heated in vapor deg	
	Heated in vat or tan	nk
	Other	
	DK	
1.3.4	How did you clean the parts? Did you? (allow multiple)	
	Wipe with rag/cloth	
	Wipe with brush	
	Put in basket and manually dipped into tank	
	Put in basket and dipped into tank using automa system	ated
	Put into tank or bucket with hands	
	Other	
	DK	
1.3.5	Was there a local exhaust system to remove the dust, fur	mes or
	vapors that was produced?	
	Yes	
	No	
407	DK	
1.3.6	Did other workers clean or degrease parts in the area whworked?	
	Yes	[go to 1.3.6.1]
	No	
	DK	
1.3.6.1	How many hours per week did other workers perform thi while you were working in this area?	is task
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
1.4	In this job, did you ever use paint?	
	Yes	[go to 1.4.1-1.4.5]
	No	
	DK	
1.4.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
1	1	ı

	10	- 19	
		or more	
	DK	or more	
1.4.2		int? (allow multiple)	
1.4.2	What did you usually use to apply the paint? (allow multiple) Brush		
	Rol		
		ctrostatic gun	
		ay gun	
		item into paint	
	Oth		
	DK		
1.4.3	Did you paint indoors or inside a ship?		
1.4.0	Yes		[go to 1.3.1-1.3.2]
	No		[50 to 1.0.1 1.0.2]
	DK		
1.4.3.1	How many hours per week did you do th	is?	
	< 2		
	2 -	9	
	10	- 19	
	20	or more	
	DK		
1.4.3.2	Was there a local exhaust system to rem	ove the dust, fumes or	
	vapors that was produced?		
	Yes		
	No		
	DK		
1.4.3.3	Did you paint in a production area of a m	anufacturing plant?	
	Yes		[go to 1.4.3.3.1]
	No		
	DK		
1.4.3.3.1	How many hours per week did you do th	is?	
	< 2		
	2 -	9	
	10	- 19	
	20	or more	
	DK		
1.4.4	Did you paint outdoors?		
	Yes		[go to 1.4.4.1]
	No		
	DK		
1.4.4.1	How many hours per week did you do th		
	< 2		
	2 -		
	10	- 19	
	20	or more	
	DK		

1.4.5	Did other workers use paints in the area where you worked?	
1.4.5	Yes	[go to 1.4.5.1]
		[go to 1.4.5.1]
	No DV	
	DK	
1.4.5.1	How many hours per week did other workers perform this task	
	while you were working in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
1.5	In this job, did you ever strip paint from metal or wood objects?	
	Yes,	[go to 1.5.1-1.5.3]
	No	
	DK	
1.5.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
1.5.2	To strip paint, what did you use? Did you use? (allow multiple)	
	Methylene chloride	
	Acids, alkalis, or caustic solutions?	
	Any other chemical	
	Something else, such as a heat gun or scraper	
	DK	
1.5.3	Did other workers strip paint from metal or wood objects in the	
	area where you worked?	
	Yes	[go to 1.5.3.1]
	No	
	DK	
1.5.3.1	How many hours per week did other workers perform this task	
	while you were working in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
1.6	In this job, did you ever handle or use particle board, plywood, or veneered wood?	
	Yes	[go to 1.6.1]
	No	
	DK	

1.6.1	How many hours per week did you do this?	
1.0.1	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
1.6.2	Did other workers work with particle board, plywood, or	
	veneered wood in the area where you worked?	
	Yes,	[go to 1.6.2.1]
	No	
	DK	
1.6.2.1	How many hours per week did other workers perform this task	(
	while you were working in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
1.7	In this job, did you ever handle or pump fuel?	
	Yes	[go to 1.7.1]
	No	
	DK	
1.7.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
1.8	In this job, did you ever use paint?	
	Yes	[go to 1.8.1-1.8.5]
	No	
	DK	
1.8.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
1.8.2	What did you usually use to apply the paint? (allow multiple)	
	Brush	
	Roller	
	Electrostatic gun	
	Spray gun	

Other DK 1.8.3 Did you paint indoors or inside a ship? Yes No DK 1.8.3.1 How many hours per week did you do this? 2 2 - 9 10 - 19 20 or more DK 1.8.3.2 Was there a local exhaust system to remove the dust, fumes or vapors that was produced? Yes No DK 1.8.3.3 Did you paint in a production area of a manufacturing plant? Yes No DK 1.8.3.3.1 How many hours per week did you do this? 2 2 - 9 10 - 19 20 or more DK 1.8.4 Did you paint outdoors? Yes No DK 1.8.4.1 How many hours per week did you do this? 2 2 - 9 10 - 19 20 or more DK 1.8.4.1 How many hours per week did you do this? 2 2 - 9 10 - 19 20 or more DK 1.8.5 Did other workers use paints in the area where you worked?		Di	p item into paint	
1.8.3 Did you paint indoors or inside a ship? Yes No DK 1.8.3.1 How many hours per week did you do this? <pre></pre>		Ot	ther	
Yes [go to 1.8.3.1- 1.8.3.2] No DK 1.8.3.1 How many hours per week did you do this? <pre></pre>		Dł	Κ	
No DK 1.8.3.1 How many hours per week did you do this? <pre></pre>	1.8.3	Did you paint indoors or inside a ship?		
No DK 1.8.3.1 How many hours per week did you do this? <pre></pre>		Ye	es	
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Yes No DK 1.8.3.3.1 How many hours per week did you do this?		Dł	Κ	
Yes No DK 1.8.3.3.1 How many hours per week did you do this?	1.8.3.3			
No DK 1.8.3.3.1 How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK 1.8.4 Did you paint outdoors? Yes No DK 1.8.4.1 How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK 1.8.5 Did other workers use paints in the area where you worked? No DK				[go to 1.8.3.3.1]
1.8.3.3.1 How many hours per week did you do this? <pre></pre>		No	0	-
2 2 9 10 - 19 20 or more DK 1.8.4 Did you paint outdoors? Yes No DK 1.8.4.1 How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK 1.8.5 Did other workers use paints in the area where you worked?		DI	Κ	
2 2 - 9 10 - 19 20 or more DK 1.8.4 Did you paint outdoors? Yes No DK 1.8.4.1 How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK 1.8.5 Did other workers use paints in the area where you worked?	1.8.3.3.1	How many hours per week did you do t	his?	
10 - 19 20 or more DK 1.8.4 Did you paint outdoors? Yes No DK 1.8.4.1 How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK 1.8.5 Did other workers use paints in the area where you worked?				
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1.8.4 Did you paint outdoors? Yes No DK 1.8.4.1 How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK 1.8.5 Did other workers use paints in the area where you worked?		10) - 19	
1.8.4 Did you paint outdoors? Yes No DK 1.8.4.1 How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK 1.8.5 Did other workers use paints in the area where you worked?		20	or more	
Yes [go to 1.8.4.1] No DK 1.8.4.1 How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK 1.8.5 Did other workers use paints in the area where you worked?		Dł	Κ	
No DK 1.8.4.1 How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK 1.8.5 Did other workers use paints in the area where you worked?	1.8.4	Did you paint outdoors?		
1.8.4.1 How many hours per week did you do this? <pre></pre>		Ye	es	[go to 1.8.4.1]
1.8.4.1 How many hours per week did you do this? < 2 2 - 9 10 - 19 20 or more DK 1.8.5 Did other workers use paints in the area where you worked?		No	0	
< 2 2 - 9 10 - 19 20 or more DK 1.8.5 Did other workers use paints in the area where you worked?		DH	Κ	
2 - 9 10 - 19 20 or more DK 1.8.5 Did other workers use paints in the area where you worked?	1.8.4.1	How many hours per week did you do t	his?	
10 - 19 20 or more DK 1.8.5 Did other workers use paints in the area where you worked?		< :	2	
20 or more DK 1.8.5 Did other workers use paints in the area where you worked?		2 ·	- 9	
DK 1.8.5 Did other workers use paints in the area where you worked?		10) - 19	
1.8.5 Did other workers use paints in the area where you worked?		20	or more	
·		DH	Κ	
V	1.8.5	Did other workers use paints in the area	a where you worked?	
Yes [go to 1.8.5.1]		Ye	es	[go to 1.8.5.1]
No		No	0	
DK		DI	K	

1.8.5.1	How many hours per week did other workers perform this task	
	while you were working in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
1.9	In this job, did you ever handle or use particle board, plywood, or	
	veneered wood?	
	Yes	[go to 1.9.1]
	No	
	DK	
1.9.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
1.9.2	Did other workers work with particle board, plywood, or	
	veneered wood in the area where you worked?	
	Yes,	[go to 1.9.2.1]
	No	
	DK	
1.9.2.1	How many hours per week did other workers perform this task	
	while you were working in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
1.10	In this job, did you ever handle or pump fuel?	
	Yes	[go to 1.10.1]
	No	[0]
	DK	
1.10.1	How many hours per week did you do this?	
1.10.1	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
2	In this job, did you ever use glues or adhesives?	
	Yes,	[go to 2.1-2.3]
	No	[50 10 2.1 2.0]
	DK	
	אט	

2.1	Was there a local exhaust system to remove the d vapors that was produced?	lust, fumes or
	Yes	
	No	
	DK	
2.2	Did you use solvent-based glues or adhesives, for	example,
	rubber cement?	
	Yes,	[go to 2.2.1]
	No	
	DK	
2.2.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
2.3	Did you use water-based glues or adhesives, for eacrylic resins?	xample, vinyl or
	Yes	[go to 2.3.1]
	No	
	DK	
2.3.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
3	In this job, did other workers use glues or adhesiv where you worked?	es in the area
	Yes	[go to 3.1]
	No	
	DK	
3.1	How many hours per week did other workers perf	orm this task
	while you were working in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
4	Were your hands ever immersed in a solvent, a so product, or fuel?	olvent-based
	Yes	
	No	
	DK	
-	·	

5	Did you wear gloves while using solvents or solvent-based products?
	Yes
	No
	Not applicable - did not use solvents DK
6	Did you clean your hands with a solvent, a solvent-based product or with fuel, such as gasoline?
	Yes
	No
	DK

	Solvent (SOL) (LONG)	
1	In this job, did you ever clean or degrease metal or plastic parts with chemicals?	
	Yes	[go to 1.1-1.5]
	No	
	DK	
1.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
1.2	When you cleaned metal or plastic parts, what did you use? Did you use? (allow multiple) Trichloroethylene Gasoline or other fuels	
	Benzene, toluene, or xylene Mineral spirits, stoddard solvent, turpentine or naphtha Paint thinner	
	Any other solvent Any other degreaser DK	
1.3	Were the chemicals at room temperature or were they heated in a tank, vat, or vapor degreaser? (allow multiple) Room temperature Heated in vapor degreaser Heated in vat or tank Other DK	
1 /	How did you clean the parts? Did you? (allow multiple)	
1.4	Wipe with rag/cloth Wipe with brush Put in basket and manually dipped into tank Put in basket and dipped into tank using automated system Put into tank or bucket with hands Other DK	
1.5	Was there a local exhaust system to remove the dust, fumes or vapors that was produced? Yes	
	No	
	DK	
1.6	Did other workers clean or degrease parts in the area where you	

	worked?	
	Yes	[go to 1.6.1]
	No	[80 00 2002]
	DK	
1.6.1	How many hours per week did other worke	ers perform this task
1.0.1	while you were working in this area?	ns perform this task
	< 2	
	2 - 9	
	10 - 1	9
	20 or	more
	DK	
2	In this job, did you ever use paint?	
	Yes	[go to 2.1-2.5]
	No	
	DK	
2.1	How many hours per week did you do this	,
	< 2	
	2 - 9	
	10 - 1	9
		more
	DK	
2.2	What did you usually use to apply the pain	? (allow multiple)
	Brusł	
	Rolle	-
	Elect	ostatic gun
	Spray	
		em into paint
	Othe	
	DK	
2.3	Did you paint indoors or inside a ship?	
	Yes	[go to 2.3.1-2.3.2]
	No	
	DK	
2.3.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 1	9
	20 or	more
	DK	
2.3.2	Was there a local exhaust system to remove	e the dust, fumes or
	vapors that was produced?	

I	Yes	
	No DK	
2.3.3	Did you paint in a production area of a manufacturing plant?	
2.3.3	Yes	[co to 2 2 2 1]
		[go to 2.3.3.1]
	No	
0.004	DK	
2.3.3.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
2.4	Did you paint outdoors?	[
	Yes	[go to 2.4.1]
	No	
	DK	
2.4.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
2.5	Did other workers use paints in the area where you worked?	
	Yes	[go to 2.5.1]
	No	
	DK	
2.5.1	How many hours per week did other workers perform this task	
	while you were working in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
3	In this job, did you use stains or varnishes?	
	Yes	[go to 3.1-3.3]
	No	
	DK	
3.1	How many hours per week did you do this?	
	< 2	

	2	- 9	
		0 - 19	
		0 or more	
		o en mere	
3.2	What type of stains or varnishes did you		
0.2	(allow multiple)	a ase. Dia you ase	
		Vater-based stains	
	W	Vater-based varnishes	
	0	oil-based stains	
	0	oil-based varnishes	
	So	omething else	
	D)K	
3.3	Was there a local exhaust system to rer	move the dust, fumes or	
	vapors that was produced?		
	Ye	es	
	N	lo	
	D	K	
3.4	Did other workers use stains or varnish	es in the area where you	
	worked?		
	Ye	es	[go to 3.4.1]
		lo	
		OK .	
3.4.1	How many hours per week did other w	orkers perform this task	
	while you were working in this area?	•	
		2	
		- 9	
		0 - 19	
		0 or more	
		OK	
4	In this job, did you ever strip paint from		5 4 4 4 6 3
		es,	[go to 4.1-4.3]
		lo	
		OK	
4.1	How many hours per week did you do t		
		2	
		- 9	
		0 - 19	
		0 or more	
	D	OK .	
4.2	To strip paint, what did you use? Did yo	ou use? (allow multiple)	
	Methylene chloride	(who it manipie)	
I			ı

	Acids, alkalis, or caustic solutions?	
	Any other chemical	
	Something else, such as a heat gun or scra	per
	DK	
4.3	Did other workers strip paint from metal or wood o	ojects in the
	area where you worked?	
	Yes	[go to 4.3.1]
	No	
	DK	
4.3.1	How many hours per week did other workers perfor	m this task
	while you were working in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
5	In this job, did you ever use glues or adhesives?	
	Yes,	[go to 5.1-5.8]
	No	
	DK	
5.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
5.2	What material were the things you were gluing mad multiple)	e of? (allow
	Wood	
	Metal	
	Plastic	
	Paper	
	Fabrics	
	Other	
	DK	
5.3	Was there a local exhaust system to remove the du	t, fumes or
	vapors that was produced?	
	Yes	
	No	
	DK	
5.4	Did you use water-based glues or adhesives, for exa acrylic resins?	mple, vinyl or
	Yes	[go to 5.4.1]
	No	
1	ı	ı

	DK	
5.4.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
5.5	Did you use glues or adhesives that you heated with a gun or	
	other heated device?	[go to 5.5.1]
	Yes, No	[go to 5.5.1]
	DK	
5.5.1		
5.5.1	How many hours per week did you do this? < 2	
	2 - 9	
	2 - 9 10 - 19	
	20 or more	
	DK	
E 4		
5.6	Did you use contact glues or adhesives where you apply the glue to both pieces being glued, let it dry for a short time, and then	
	join the two pieces together?	
	Yes	[go to 5.6.1]
	No	
	DK	
5.6.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
5.7	Did you use glues or adhesives that require mixing two parts of	
	the glue together before applying? (epoxy resins)	
	Yes	[go to 5.7.1]
	No	
	DK	
5.7.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
F 0	DK	
5.8	Did you use urea, phenol or melamine-based glues or adhesives?	[go to 5 0 4]
	Yes No	[go to 5.8.1]
I	INO	I

	DK	
5.8.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
5.9	Did other workers use glues or adhesives in the area where you	
	worked?	
	Yes	[ask 5.9.1]
	No	
	DK	
5.9.1	How many hours per week did other workers perform this task	
	while you were working in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
6	In this job, did you ever handle or use particle board, plywood, or	
	veneered wood?	
	Yes	[go to 6.1]
	No	
	DK	
6.1	How many hours per week did you do this?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
6.2	Did other workers work with particle board, plywood, or	
	veneered wood in the area where you worked?	
	Yes,	[go to 6.2.1]
	No	
	DK	
6.2.1	How many hours per week did other workers perform this task	
	while you were working in this area?	
	< 2	
	2 - 9	
	10 - 19	
	20 or more	
	DK	
7	In this job, did you ever handle or pump fuel?	
	Yes	[go to 7.1]
	No	
•		•

	DK
7.1	How many hours per week did you do this?
	< 2
	2 - 9
	10 - 19
	20 or more
	DK
8	Were your hands ever immersed in a solvent, a solvent-based product, or fuel?
	Yes
	No
	DK
9	Did you wear gloves while using solvents or solvent-based products?
	Yes
	No
	Not applicable - did not use
	solvents
	DK
10	Did you clean your hands with a solvent, a solvent-based product
	or with fuel, such as gasoline? Yes
	No Yes
	DK
	DK

	TEACHER (TE) MODULE			
1	1 What grade level did you teach? (allow multiple)			
	Elementary or below			
	Junior high/middle school			
	High school			
	Vocational or technical sch			
	College or university			
	Other			
	DK			
2	What subjects did you teach? (allow multiple)			
		Art	[END]	
		Biology	[go to 2.1]	
		Chemistry	[go to 2.2]	
		Industrial shop	[go to 2.3-2.5]	
		Other	[END]	
		DK	[END]	
2.1	Did you teach a lab component for	this subject?		
		Yes	[go to 2.1.1]	
		No		
		DK		
2.1.1	1 How many hours per week did you do this?			
		< 2		
		2 - 9		
		10 - 19		
		20 or more		
		DK		
2.2	Did you teach a lab component for this subject?			
		Yes	[go to 2.2.1]	
		No		
		DK		
2.2.1				
		< 2		
		2 - 9		
		10 - 19		
		20 or more		
		DK		
2.3	[Degrease Mini-module]			
2.4	[Paint Mini-Module]			
2.5	[Hands mini-module]			