Smooth 'N Shine Polishing Olive & Tea Tree Revive Oil Conditioning Gel	Edge Control	SHIP SCONDITIONS OF THE STATE O	High hazard: Methylisothiazolinone Moderate hazard: PEG-10 Olive Glycerides, Aminomethyl Propanol, PPG-5-Ceteth-20, Phenoxyethanol, Methylparaben Low hazard: Water, PVP, Carbomer, Mentha Arvensis (Wild Mint) Oil, Disodium EDTA, Melaleuca Alternifolia (Tea Tree) Leaf Oil, D&C Yellow 10, Green 3, Oleth-20	Skin Deep: 4 Good Guide: 5.5
Ampro Pro Styl Clear Ice Gel	Hair Gel	PRO STYLE PRO ST	High hazard: Fragrance Moderate hazard: Propylene Glycol, Polysorbate-20, Diazolidinyl Urea (Formaldehyde releaser) Low hazard: Water, Sodium Carbomer- 940, Hydrolyzed Protein, Disodium EDTA, FD&C Violet 2	Skin Deep: 4 Good Guide: no data
Blue Magic Hair & Scalp Conditioner	Hair Grease	Blue Magic Blue Magic BROMOT CONDITIONER Anti-Breakage Formula NET WT 12 OZ (140g)	High hazard: Fragrance Moderate hazard: Lecithin, D&C Green 6, Petrolatum Low hazard: Lanolin, Olea Europaea (Olive) Oil, Isopropyl Myristate, D&C Yellow 11	Skin Deep: 5 Good Guide: 4.1
Hollywood Beauty Tea Tree Oil	Hair Oil	HOLLYWOOD BEAUTYO Tea Tree Oil SKII A SCALP THEATURIT - DITY TICHY SCALP - VITAMIN E - FLUNCIPE FRONTER 2.02 (99.3ML)	High hazard: Isopropylparaben, Isobutylparaben, Butylparaben, Fragrance Moderate hazard: Tocopheryl Acetate, Phenoxyethanol, Methylparaben, BHT Low hazard: Glycine Soja (Soybean) Oil, Melaleuca Alternifolia (Tea Tree) Leaf Oil, Carthamus Tinctorius (Safflower) Oil, D&C Yellow 11, Arnica Montana (Arnica) Flower Extract, Pinus Palustris Leaf Extract, Rose Hips Fruit Oil, Arctium Majus (Burdock) Root Extract, Citrus Medica Limonium (Lemon) Peel Extract, Hedera Helix (Ivy) Leaf/Stem Extract, Tropaeolum Majus (Nasturtium) Extract, Lamium Album (White Nettle) Flower Extract, Calendula Officinalis (Pot Marigold) Flower Extract	Skin Deep: 5 Good Guide: no data

SoftSheen- Carson Optimum Care Oil Therapy Hair & Scalp Quencher	Hair Oil	OPTIMUM Oil Thropy on a CAIP postroid was a CAIP postroid	High hazard: Propylparaben, Lilial, Amylcinnamaldehyde, Benzyl Salicylate, Fragrance Moderate hazard: Cyclopentasiloxane, Alpha-Isomethyl Ionone, Citronellol, BHT, Limonene Low hazard: Caprylic/Capric Triglyceride, Elaeis Guineensis (African Palm) Oil, C18-36 Acid Triglyceride, Paraffin, C12-15 Alkyl Benzoate, Olea Europaea (Olive) Oil, Simmondisa Chinensis (Jojoba) Seed Oil, Cocos Nucifera (Coconut) Oil,Persea Gratissima (Avocado) Oil, 2-Oleamido-1, 3-Octadecanediol, Lyral	Skin Deep: 6 Good Guide: 4.3
Creme of Nature Exotic Shine Hair Color	Hair Dye	CREME OF LAND CR	High hazard: P-Phenylenediamine, Propylparaben, Butylparaben, Isobutylparaben, Fragrance, Resorcinol, Oxybenzone Moderate hazard: Hydrogen Peroxide, Laureth-1, Propylene Glycol, Ammonium Hydroxide, Quaternium-10, Lecithin, Tocopheryl acetate, Glyceryl Linolenate, Glyceryl Linolenate, Glyceryl Linoleate, 2-Amino-4-Hydroxyethylaminosol E Sulfate, Polyquaternium-32, PEG-12 Dimethicone, Cyclopentasiloxane, Dimethicone, Cocamidopropyl Betaine, Ethylparaben, Phenoxyethanol, M-Aminophenol, BHA, Linalool, D&C Red 17, Ethanolamine, P-Aminophenol Low hazard: Water, Cetyl Alcohol, Stearyl Alcohol, Oleic Acid, Sodium Cetearyl Sulfate, Phosphoric Acid, Isostearic Acid, Glyceryl Monostearate, Ammonium Lauryl Sulfate, Polyquaternium-10, Polyquaternium-28, Erythorbic Acid, Sorbitol, Hamamelis Virginiana (Witch Hazel) Extract, Panthenol, Xanthan Gum, Cetearyl Alcohol, Mineral Oil, Honey, Olea Europaea (Olive) Oil, Lanolin Oil, D&C Yellow 11, Sodium Sulfate, Glycerin	Skin Deep: 10 Good Guide: 3.6
TRESemme Climate Control Mousse	Hair Mousse		High Hazard: Isobutane, Lilial, Amylcinnamaldehyde, Geraniol, Fragrance Moderate Hazard: Propylene Glycol, Polysorbate-20, Polyquaternium-7, Propane, Linalool, Hexyl Cinnamal, Limonene, Octinoxate Low Hazard: Water, Polyquaternium-4,	Skin Deep: 8 Good Guide: 5.2

			Hydrofluorocarbon 153A, Polyquaternium-11, Vinyl Caprolactam/PVP/Dimethylaminoethyl Methacrylate Copolymer, Undeceth-11, Butyloctanol, Undeceth-5, Ethylhexyl Palmitate, Olea Europaea (Olive) Oil, Silicone Fluid, Citric Acid, Hydrolyzed Keratin	
Got2B Kinkier Curling Mousse	Hair Mousse	göt 2b kinkigr	High hazard: Fragrance Moderate hazard: Phenoxyethanol, Limonene, Low hazard: Water, Methylparaben, Hydroxycitronellal, Isobutane, Propane, Polyquaternium-46, Panthenol, PEG-40 Hydrogenated (Castor) Oil	Skin Deep: no data Good Guide: 5.3
Murray's Hair Care Beeswax	Locking Wax	WIRRAS WITH AUSTRALIAN BEESWAX WALL SOM - CONSTITUTE AND A CONSTITUTE MON A CO. A CO. P. (1 Ap)	High hazard: Fragrance Moderate hazard: Petrolatum Low hazard: Beeswax	Skin Deep: 3 Good Guide: 4.3
Africa's Best No- Lye Dual Conditioning Relaxer System (Regular)	Hair Relaxer	Africa's REST Control of the Control	High Hazard: Fragrance, Cocamide Dea, DMDM Hydantoin (Formaldehyde releaser), Propylparaben Moderate Hazard: Ceteareth-20, Propylene Glycol, Steareth-2, FD&C Yellow 5, Sodium Laureth Sulfate, Dimethicone, Calcium Hydroxide, Petrolatum, Cocamidopropyl Betaine, Methylparaben Low Hazard: Water, Mineral Oil, Cetearyl Alcohol, Cetyl Alcohol, Behentrimonium Methosulfate, Guanidine Carbonate, Cocodimonium Hydroxypropyl Hydrolyzed Wheat Protein, Trideceth-7 Carboxylic Acid, Polyquaternium-47, Panthenol, Phenol Red, Trigonella Foenumgraecum, Seed Extract, Commiphora Myrrha (Myrrh) Extract, Arctium Lappa (Burdock) Extract, Hedera Helix (Ivy) Extract, Urtica Dioica (Nettle) Extract, Urtica Dioica (Nettle) Extract, Rosamarinus Officinalis (Rosemary) Leaf Extract, Salvia Officinalis (Sage) Leaf Extract, Polyquaternium-37, Propylene Glycol Dicaprylate/Dicaprate, PPG-1 Trideceth-6, Hydrolyzed Collagen, EDTA, Citric Acid, Tetrasodium EDTA, Betula Alba (Birch) Leaf Extract, Arnica Montana (Arnica)	Skin Deep: 10 Good Guide: 2.3

			Flower Extract	
Optimum Care Salon Collection Optimum Care Anti-Breakage No-Lye Relaxer System, Regular	Relaxer	OFTMEN COTTON COTTON	High Hazard: Fragrance, Lilial, Benzy Salicylate, Lyral, Geraniol, Citral, Coumarin, Amylcinnamaldehyde Moderate Hazard: Trideceth-2 Carboxamide Mea, Cetereath-25, Phenoxyethanol, Methylparaben, Ethylparabem, Hexyl Cinnamal, Alpha-Isomethyl Ionone, Petrolatum, Calcium Hydroxide, PEG-75 Lanolin Low Hazard: Gluconolactone, Water, Cetearyl Alcohol, Glycerin, Hexadimethrine Chloride, Disodium EDTA, Polyquaternium-22, 2-Oleamido1,3-Octadecanediol, Mineral Oil, Polyquaternium-6	Skin Deep: 10

Figure 1b: Products without Data

Brand	Product Type	Image
Olive Oil	Hair Relaxer	OLIVE OIL) ORS
Motions	Hair Relaxer	WATIONS WITHOUSE WITHOUSE WITHOUSE
Affirm	Hair Relaxer	Authority of the state of the s
Olive Oil	Oil Sheen	OLIVE OIL SENSION

Salon Pro Vitamin E Formula with Shea Butter Hair Food	Hair Oil	HAIR ROOD
Salon Pro Olive Oil Formula with Aloe Vera Hair Food	Hair Oil	HAAR
Jamaican Mango & Lime Black Castor Oil	Hair Oil	Mango & Electrical Control of the Co
Hollywood Beauty Carrot Oil	Hair Oil	Carrol Co
Hollywood Beauty Olive Oil Shine Moisturizer	Hair Moisturizer	Business One Off Chip Manager
African Essence	Hair Polish	Shirting the state of the state
African Essence	Weave Spray	
Creative Image Adore	Hair Dye	adour

Bigen	Hair Dye	Bigen The transfer date (C. C. C
Jazzing	Hair Dye	NIZY INIZY INIZY INIZY INIZY
Via Natural	Semi-Permanent Hair Dye	
High Beams Intense	Temporary Spray-On Hair Dye	
Organics Cornrow & Braid Revitalize	Braid Cream	

Figure 1c: Top 5 Hazardous Products Found in Salons

Brand	Product Type	Chemicals of Concern	Health Hazard(s)
1. Africa's Best (10)	Relaxer	Fragrance, Cocamide Dea, DMDM Hydantoin, Propylparaben	Fragrance: Ecotoxicology, Allergies/immunotoxicity, Irritation (skin, eyes, or lungs), Miscellaneous, Organ system toxicity (non-reproductive) Cocamide Dea: Cancer, Allergies/immunotoxicity, Contamination concerns (Nitrosamines-in the presence of nitrosating agents), Organ system toxicity (non-reproductive DMDM Hydantoin: Cancer, Allergies/immunotoxicity, Contamination concerns (Formaldehyde), Irritation (skin, eyes, or lungs)

			Propylparaben: Developmental/reproductive toxicity, Ecotoxicology, Endocrine disruption, Allergies/immunotoxicity, Use restrictions
2. Optimum Care Salon Collection Optimum Care Anti- Breakage No-Lye Relaxer System, Regular (10)	Relaxer	Fragrance, Lilial, Benzyl Salicylate, Lyral, Geraniol, Amylcinnamaldehyde	Fragrance: Ecotoxicology, Allergies/immunotoxicity, Irritation (skin, eyes, or lungs), Miscellaneous, Organ system toxicity (non-reproductive) Lilial: Endocrine disruption, Allergies/immunotoxicity, Organ system
			toxicity (non-reproductive), Persistence and bioaccumulation Benzyl Salicylate: Ecotoxicology, Endocrine
			disruption, Allergies/immunotoxicity
			Lyral: Allergies/immunotoxicity
			Geraniol: Ecotoxicology, Allergies/immunotoxicity
			Amylcinnamaldehyde: Allergies/immunotoxicity Citral: Allergies/immunotoxicity, Irritation (skin, eyes, or lungs)
3. Creme of Nature Exotic Shine Hair Color (10)	Hair Dye	P-Phenylenediamine, Propylparaben, Butylparaben, Isobutylparaben, Fragrance, Resorcinol, Oxybenzone	P-Phenylenediamine: Cancer, Data gaps, Ecotoxicology, Allergies/immunotoxicity, Irritation (skin, eyes, or lungs), Organ system toxicity (non-reproductive)
			Propylparaben: Developmental/reproductive toxicity, Ecotoxicology, Endocrine disruption, Allergies/immunotoxicity
			Butylparaben: Biochemical or cellular level changes, Data gaps, Developmental/reproductive toxicity, Endocrine disruption, Allergies/immunotoxicity
			Isobutylparaben: Biochemical or cellular level changes, Data gaps, Developmental/reproductive toxicity, Endocrine disruption, Allergies/immunotoxicity
			Fragrance: Ecotoxicology, Allergies/immunotoxicity, Irritation (skin, eyes, or lungs), Miscellaneous, Organ system toxicity (non-reproductive)
			Resorcinol: Cancer, Ecotoxicology, Endocrine disruption, Allergies/immunotoxicity, Irritation (skin, eyes, or lungs), Organ system toxicity (non-reproductive), Occupational hazards

			Oxybenzone: Enhanced skin absorption, Biochemical or cellular level changes, Developmental/reproductive toxicity, Endocrine disruption, Allergies/immunotoxicity, Organ system toxicity (non-reproductive), Persistence and bioaccumulation
4. TRESemme climate Control Mousse (8)	Hair Mousse	Isobutane, Lilial, Amylcinnamaldehyde, Geraniol, Fragrance	Isobutane: Multiple, additive exposure sources, Allergies/immunotoxicity, Contamination concerns (Butadiene), Irritation (skin, eyes, or lungs), Organ system toxicity (non-reproductive)
			Lilial: Endocrine disruption, Allergies/immunotoxicity, Organ system toxicity (non-reproductive), Persistence and bioaccumulation
			Amylcinnamaldehyde: Allergies/immunotoxicity
			Geraniol: Ecotoxicology, Allergies/immunotoxicity
			Fragrance: Ecotoxicology, Allergies/immunotoxicity, Irritation (skin, eyes, or lungs), Miscellaneous, Organ system toxicity (non-reproductive)
5. Olive Oil (8)	Edge Control	Eugenol, Geraniol, Lilial, Propylparaben, DMDM Hydantoin, Fragrance	Eugenol: Allergies/immunotoxicity, Organ system toxicity (non-reproductive)
		,,g	Geraniol: Ecotoxicology, Allergies/immunotoxicity
			Lilial: Endocrine disruption, Allergies/immunotoxicity, Organ system toxicity (non-reproductive), Persistence and bioaccumulation
			Propylparaben: Developmental/reproductive toxicity, Ecotoxicology, Endocrine disruption, Allergies/immunotoxicity,
			DMDM Hydantoin: Cancer, Allergies/immunotoxicity, Contamination concerns, Irritation (skin, eyes, or lungs)
			Fragrance: Ecotoxicology, Allergies/immunotoxicity, Irritation (skin, eyes, or lungs), Miscellaneous, Organ system toxicity (non-reproductive)

Figure 2. Services Provided

Salon	Services Offered
Aida's Dominican Beauty Style	-Relaxers -Wash & Sets -Wash & Blowdrys -Trims -Hair Coloring -Hair Cutting -Deep Conditioner -Hot Oil Treatment
Janet's Hair Braiding	-Single Braids -Senegalese Twist -Marley Twist -Kinky Twist -Cornrows -Faux Locs -Dread Retwist
Ketta's Hair Salon	-Relaxers -Wash & Sets -Wash & Blowdrys -Press & Curl -Trims -Hair Coloring -Hair Cutting -Deep Conditioner -Hot Oil Treatment -Weaves (Sew-in/Glue-in) -Flat Twist -Finger Waves -Dread Retwist
K Zee African Braiding & Supplies	-Single Braids -Senegalese Twist -Marley Twist -Kinky Twist -Cornrows -Faux Locs -Dread Retwist
Princey's Place	-Relaxers -Wash & Sets -Wash & Blowdrys -Press & Curl -Trims -Hair Coloring -Hair Cutting -Deep Conditioner -Hot Oil Treatment -Weaves (Sew-in/Glue-in) -Flat Twist -Finger Waves -Dread Retwist
Touch of Class Beauty Salon	-Relaxers -Wash & Sets -Wash & Blowdrys -Press & Curl

-Hai -Dee -Hot -We -Flat	ims Air Coloring Air Cutting Air Cutting
--------------------------------------	---

Figure 3. Survey Results **Question**

Question Number	Survey #1	Survey #2	Survey #3	Survey #4
1				
2				
3	Female	Female	Female	Female
4	30-44 years	45 or older	30-44 years	30-44 years
5	15 years	50 years	24 years	13 years
6	Family or Friends 21-30	Cosmetology School	Cosmetology School	Cosmetology School
7	hours/week	21-30 hours/week	31-40 hours/week	21-30 hours/week
8a				
8b		8 or more	8 or more	
8c		8 or more	8 or more	
8d	1-3 times	8 or more	8 or more	1-3 times
8e		4-7 times	4-7 times	4-7 times
8f				
8g				
8h				
8i	Braid			
9a	1-3 times		1-3 times	4-7 times
9b				
9c				4-7 times
9d				
9e	1-3 times	4-7 times	4-7 times	1-3 times
9f			1-3 times	
9g		4-7 times	1-3 times	1-3 times
9h				
9i				
10a	Olive Oil Relaxer	Olive Oil Relaxer	Adore Color	Hollywood Beauty Tea Tree Oil

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10b		Motions Relaxer	Motions Relaxer	Blue Magic Hair & Scalp Conditioner
				TRESemme Climate Control
10c		Affirm Relaxer	Affirm Relaxer	Mousse
10d		Keracare	Keracare	Murray's Hair Care Beezwax
10e			Creme of Nature	Creme of Nature
11	Very Safe		Very Safe	Very Safe
12a			5	
12b			2	
12c			6	
12d			1	
12e			3	
12f			4	
12g			7	
12h			8	
13	No	No	No	No
			I'm not interested in the chemistry	
13a			part.	
13b				
13c				
13d			I usually try to read up on things, and also sample them.	
14a	Often	Always	Always	Often
14b	Never		Never	Never
14c	Never	Often	Often	Rarely
14d	Never	Rarely	Rarely	Never
14e	Never			
15a	Never	Always	Always	
15b	Never		Always	
15c	Never			
16	No	Yes	Yes	No
16a		In hair class	In hair classes	
16b		The safe chemicals and how it works	The type chemical and how it works	
17	Very Concerned	Very Concerned	Very Concerned	Not Concerned
18	Very Concerned	Very Concerned	Very Concerned	Not Concerned
19a		-	6	
19b			5	
-				

19c			2	
19d			4	
19e			1	
19f			3	
19g			7	
20	Yes	Yes	Yes	Yes
20a			Make sure they get their chemical services on times and get frequent conditions.	
21	Yes		Yes	Yes
	Private			
21a	Coverage		Other	Private Coverage
21b				
22	Good	Good	Good	Good
23a	No	Yes	Yes	No
23b	No	No	No	No
23c	No	Yes	Yes	No
23d	No	No	Yes	No
23e	No	Yes	Yes	Yes
23f	No	Yes	Yes	No
23g	No	Yes	No	No
23h	No	Yes	Yes	No
23i	No	Yes	No	No
23j	No	No	Yes	No
23k	No	Yes	No	No
231	No	No	Yes, in my legs, arms and back pain	Yes, hands and wrists
23m	No	No	No	No
24a	No	No	No	No
24b	No	Yes	Yes	No
24c	No	No	No	Yes
24d	No	Yes	Yes	No
24e	No	Yes	Yes	Yes
24f	No	No	No	No
24g	No	No	No	No
24h	No	No	No	No
24i	No	No	Yes	No
24j	No	Yes	Yes	Yes
24k	No	Yes	No	No
25	Yes	No	Yes	Yes
26a	No	Yes	Yes	No
26b	No	No	Yes	No

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26c	No	Yes	No	No
26d	No	Yes	No	No
26e	No	No	No	No
26f	No	Yes	No	No
26g	No	Yes	No	No
26h	No	Yes	No	No
26i	No	Yes	No	No
26j	No	Yes	No	No
26k	No	Yes	No	No
261	No	Yes	No	No
27	No	No	No	No
27a				
28	No	No	No	No
28a				
29a	No	No	Yes	Yes
29b	No	No	No	No
29c	No	No	No	No
29d	No	No	No	Yes
29e	Yes	Yes	Yes	Yes
30	Yes	No	No	No
31	Yes	Yes	Yes	Yes
32	No	Yes	Yes	Yes
33a	No	Yes	Yes	No
33b	No	Yes	Yes	Yes
33c	No	Yes	Yes	Yes
33d	No	Yes	Yes	Yes
33e	No	Yes	Yes	Yes
33f	No	Yes	Yes	Yes
33g	No	Yes	Yes	Yes
33h	No	No	No	No

OCCIDENTAL COLLEGE CONSENT FORM TO CONDUCT RESEARCH ON SITE

Faculty Supervisor: Professor Bhavna Shamasunder Student Investigator: Antoniqua Roberson	
Title of Research Project: What's going on "hair"?: The Perce Chemical Exposures from Hair Styling Product by Black Female MA	
I acknowledge that on <date>, I was info Occidental College about this research project, the way it will be I have received copies of the appropriate documents checked bel descriptions of the proposed project:</date>	
Informed Consent Form for Minor ChildX_ Informed Co	onsent Form for Adult Subjects
Parental Information Letter Data Archival Consent Form	n
Informed Consent Form for Film Projects Aforementic appropriate and Documentaries/Subject Release Form language	
This institution is fully aware of the nature and extent of the subjand agree with full knowledge of all details to allow the subjects withdraw their participation on this project at any time without p. In the case of minors, parents/guardians will be informed that the participation on this project at any time without prejudice or pen	to participate. Subjects may brejudice or penalty of any kind. ey may withdraw their child's
On behalf of the institution, I give my consent for the research in to recruit and interview it's members/students.	nvestigator(s) to utilize this site
Permission to conduct research is granted beginning (date)	and ending
Name (print):	Date:
Signature:	
Title:	
Name of the institution:	
Address:	
Phone number: Email:	

The institution's representative should sign two copies of this form. Keep one copy and return the other copy to the investigator.

OCCIDENTAL COLLEGE INFORMED CONSENT FORM FOR ADULT SUBJECTS

You are invited to participate in a research study conducted by Antoniqua Roberson, a student from the Urban & Environmental Policy Department at Occidental College in Los Angeles, CA. You must be at least 18 years of age to participate in this study. Please read this form and ask any question you may have before agreeing to be in the study.

PURPOSE OF THE STUDY: The purpose of this study is to examine black hair salons on Washington Street in Dorchester, MA, allowing the researcher, Antoniqua Roberson, to learn which endocrine disrupting chemicals (EDCs) are common in the hair care products at these salons; find out from Black, female hair care professionals about their experiences and health history working within the cosmetic industry; as well as uncover any trends between the six salons. The results of this study will be part of a final research report for Occidental College, and may be used in presentations and publications with the Black Women's for Wellness (BWW) organization, located in Los Angeles, CA.

PROCEDURES: If you volunteer in this study, you will be asked to complete a survey, created by BWW, followed by semi-structured interviews. With your permission, the interviews will be audio taped for the purpose of note taking; however, they will be deleted once I have

VOLUNTARY NATURE OF THE STUDY: Participation in this study is voluntary. You may skip any questions that you do not want to answer or stop participating at any time. You are free to withdraw from the study at any time. Whatever decision you make, there will be no penalty to you, and no loss of benefits to which you were otherwise entitled.

CONFIDENTIALITY: Subjects responses will remain confidential and no names will be used in the reported results of this study. Instead you will be referred to as "Participant A or Participant B". The data collected will be featured in the researcher's senior comprehensive project for the Urban & Environmental Policy department at Occidental College, and the final research report may be used in presentations or publications, as well as serve as a supplementary research project to a study conducted by the Black Women for Wellness organization. The researcher, faculty supervisor, and BWW will have access to information collected in this study.

That data will be kept password protected while working with it on the computer. Data derived

from participation in this study may be held for future use, and may be stored and re-analyzed, or otherwise combined with other data at a later date.

RISKS & BENEFITS: If you agree to participate in this study, you will be asked questions about your health history and sharing information about toxic exposures from beauty products. Some of the questions ask for personal information and may be stressful or trigger concern about your future health. However, you are free to not answer a question or stop your participation in this study at any time. By participating in this study, you may help to give the researcher and others a better understanding of the social and health experiences of Black women working in the hair, cosmetic industry.

After the interview, you will be given information on the movement for alternatives and safer hair care practices for salon workers. And, you will be provided contact information for your local Planned Parenthood and/or clinic for counseling and special services, and contact information for the Black Women for Wellness and West Harlem Environmental Action if you are interested in learning more information about these issues.

COMPENSATION: No compensation is offered for participation in this study.

CONTACT INFORMATION: If you have any questions, comments or concerns about the research, you can contact Antoniqua Roberson at robersondancy@oxy.edu or Professor Bhavna Shamasunder at bhavna@oxy.edu. If you have any questions or concerns regarding your rights as a participant in this study, you may contact the Institutional Review Board/Human Subjects Research Review Committee (IRB/HSRRC) Office at Occidental College in Los Angeles, CA, 90041 at (323) 259-2921 or hsrcc@oxy.edu.

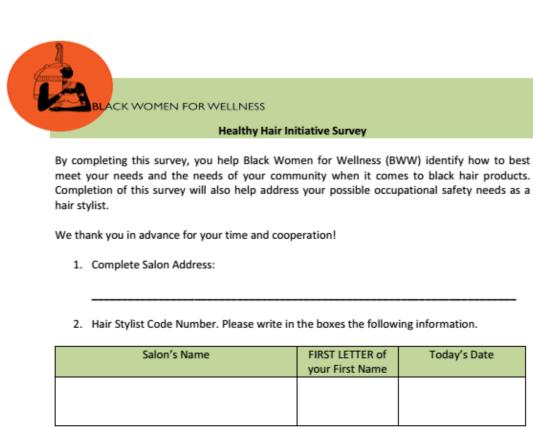
Please initial on The interview m YES	ay be audio	-recorded fo	or note-taking purp	ooses:		
in this research p	project and to on this pro	the possible ject at any ti	risks as outlined a ime without prejud	bove. I understan	at of my participation of that may withdrawany kind. I hereby	ıw
Name (print):						
Signature:				Date:		
	_					

Subject should sign two copies of this form. Keep one copy and return the other to the investigator.

V. Proposed Semi-Structured Interview Questions

- 1. What sparked your interest to become a haircare professional?
- 2. When working with products, do you wear protective gear (goggles, gloves, etc.)? If so, which products do you wear protective gear with? Which products do you not wear protective gear? Why?
- 3. Do you think it is important to wear protective gear when working with products?
- 4. Are you aware of your exposure to chemicals in the products when you do not wear protective gear?
- 5. Have you ever heard of endocrine disruption chemicals (EDCs)? If so, can you explain what they are and/or what you have heard about them?
- 6. Do you concerns any regarding EDC exposure at work? If so, what are they?
- 7. Is cosmetic safety important to you? Why or why not?
- 8. Has the natural hair movement influenced product usage at the shop? If so, in what ways?
- 9. Are you concerned about health impacts? If so, what are you most concerned about?
- 10. What have you heard thus far about reproduction impacts in regards to cosmetic products?
- 11. Have you ever shown signs similar to any of the conditions linked to EDC exposure that I have just mentioned? If so, which conditions?
- 12. Would you be interested in buying safer, alternative cosmetic products? Do you have any children? If so, how many?
- 13. Have your children ever experienced any of the health related impacts mentioned in the survey? If so, which conditions?
- 14. Have you ever had a miscarriage or had difficulties conceiving since being a hairdresser?

Today's Date



☐ 30-44 years ☐ 45 or older

3.	What is your gender? Please	circle one.		
	Male	Female		Transgender
	Other:		I de	not wish to answer
4.	How old are you? Please che	ck one.		
	☐ 18 or younger			
	☐ 19-24 years			
	☐ 25-29 years			

	☐ refuse to answer
5.	How long have you been a stylist?
5.	Where did you learn how to perform your job as a stylist? Please check one.
	☐ Cosmetology school
	☐ Family or friends
	☐ On the job
	☐ Other:
7.	How many hours a week do you work? Please check one.
	☐ 9 hours/week or less
	☐ 10-20 hours/week
	☐ 21-30 hours/week
	☐ 31-40 hours/week
	☐ 41-50 hours/week
	☐ 51 hours/week or more

8. Which of these services you provide? Please check all that apply.

		How many times a week do you provide these services		
Check all that apply	Services	1-3 times	4-7 times	8 or more
	Permanent waves and texturizers			
	Permanent Straighteners or Relaxers (non-lye or lye relaxers)			
	Hair dyes Hair extensions (i.e. weaves, clip ins, etc)			
	Press and curl (chemically treated hair)			

from participation in this study may be held for future use, and may be stored and re-analyzed, or otherwise combined with other data at a later date.

RISKS & BENEFITS: If you agree to participate in this study, you will be asked questions about your health history and sharing information about toxic exposures from beauty products. Some of the questions ask for personal information and may be stressful or trigger concern about your future health. However, you are free to not answer a question or stop your participation in this study at any time. By participating in this study, you may help to give the researcher and others a better understanding of the social and health experiences of Black women working in the hair, cosmetic industry.

After the interview, you will be given information on the movement for alternatives and safer hair care practices for salon workers. And, you will be provided contact information for your local Planned Parenthood and/or clinic for counseling and special services, and contact information for the Black Women for Wellness and West Harlem Environmental Action if you are interested in learning more information about these issues.

COMPENSATION: No compensation is offered for participation in this study.

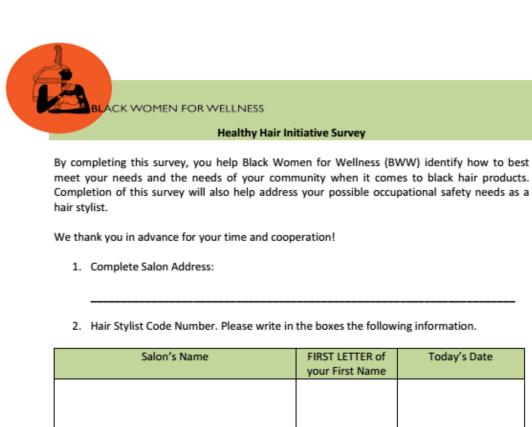
CONTACT INFORMATION: If you have any questions, comments or concerns about the research, you can contact Antoniqua Roberson at robersondancy@oxy.edu or Professor Bhavna Shamasunder at bhavna@oxy.edu. If you have any questions or concerns regarding your rights as a participant in this study, you may contact the Institutional Review Board/Human Subjects Research Review Committee (IRB/HSRRC) Office at Occidental College in Los Angeles, CA, 90041 at (323) 259-2921 or hsrcc@oxy.edu.

Please initial on The interview may YES	ay be audio	-recorded fo	or note-taking purp	ooses:		
in this research p	roject and to on this proj	the possible ject at any ti	risks as outlined a	bove. I understan	t of my participation d that may withdrav any kind. I hereby	
Name (print):						
Signature:				Date:		
	_					

Subject should sign two copies of this form. Keep one copy and return the other to the investigator.

V. Proposed Semi-Structured Interview Questions

- 1. What sparked your interest to become a haircare professional?
- 2. When working with products, do you wear protective gear (goggles, gloves, etc.)? If so, which products do you wear protective gear with? Which products do you not wear protective gear? Why?
- 3. Do you think it is important to wear protective gear when working with products?
- 4. Are you aware of your exposure to chemicals in the products when you do not wear protective gear?
- 5. Have you ever heard of endocrine disruption chemicals (EDCs)? If so, can you explain what they are and/or what you have heard about them?
- 6. Do you concerns any regarding EDC exposure at work? If so, what are they?
- 7. Is cosmetic safety important to you? Why or why not?
- 8. Has the natural hair movement influenced product usage at the shop? If so, in what ways?
- 9. Are you concerned about health impacts? If so, what are you most concerned about?
- 10. What have you heard thus far about reproduction impacts in regards to cosmetic products?
- 11. Have you ever shown signs similar to any of the conditions linked to EDC exposure that I have just mentioned? If so, which conditions?
- 12. Would you be interested in buying safer, alternative cosmetic products? Do you have any children? If so, how many?
- 13. Have your children ever experienced any of the health related impacts mentioned in the survey? If so, which conditions?
- 14. Have you ever had a miscarriage or had difficulties conceiving since being a hairdresser?



Salon's Name	FIRST LETTER of your First Name	Today's Date

3.	What is your gender? Please circle one.		
	Male Female		Transgender
	Other:	I do	not wish to answer
4.	How old are you? Please check one.		
	☐ 18 or younger		
	☐ 19-24 years		
	☐ 25-29 years		
	☐ 30-44 years		
	☐ 45 or older		

	☐ refuse to answer
5.	How long have you been a stylist?
5.	Where did you learn how to perform your job as a stylist? Please check one.
	☐ Cosmetology school
	☐ Family or friends
	☐ On the job
	☐ Other:
7.	How many hours a week do you work? Please check one.
	☐ 9 hours/week or less
	☐ 10-20 hours/week
	☐ 21-30 hours/week
	☐ 31-40 hours/week
	☐ 41-50 hours/week
	☐ 51 hours/week or more

8. Which of these services you provide? Please check all that apply.

		How many times a week do you provide these services		ou provide
Check all that apply	Services	1-3 times	4-7 times	8 or more
	Permanent waves and texturizers			
	Permanent Straighteners or Relaxers (non-lye or lye relaxers)			
	Hair dyes Hair extensions (i.e. weaves, clip ins, etc)			
	Press and curl (chemically treated hair)			

Brazilian blowout		
Nails		
Spa		
Other:		

9. Which of the following natural hair services do you provide? Please check all that apply.

		How many times a week do you provide these services		
Check all that apply	Services	1-3 times	4-7 times	8 or more
	Twists			
	Sister Locs			
	Locs			
	Afros			
	Braids			
	Short natural			
	Press and curl (not chemically treated hair)			
	Curly styles			
	Other:			

10.	List 5 products that you frequently use. Include type of product, brand and/o	r
	manufacturer (i.e. Nexxus Pro. Mend Conditioner).	

1.

2.

3.

4.

5.

On a scale of 1-4 how safe do	you think the products are that	vou use. Please circle one

1	2	3	4
Not safe	Somewhat safe	Safe	Verv safe

12. How important are the following when making a decision about purchasing a product? Please rank them from 1 to 8, 1 being the most important.

	Rank
Price	
How well it works	
Recommendations from others	
Product ingredients	
Health effects on stylists	
Accessibility	
Fragrance	
Product packaging	

Produc	at packaging	
13. Do	you make your own products? Please chec	k one.
	Yes	
	No	
a)	Why or why not?	

b) If yes, what ingredients do you typically use?

c) How often do you use those ingredients?				
d) Where do you go				
products at work? P				iemicai
	Never	Rarely	Often	Always
I wear a protective apron		,		7
I wear goggles				
I wear gloves				
I wear a face mask				
Other				+
Other:				
15. How often do you ta products on your cli				nemical
15. How often do you ta				nemical
15. How often do you ta products on your cli I use protective creams	ents? Please che	eck one for each of	the following	
15. How often do you ta products on your cli	ents? Please che	eck one for each of	the following	
15. How often do you ta products on your cli I use protective creams	ents? Please che	eck one for each of	the following	
15. How often do you ta products on your cli I use protective creams I put an apron on them	Never Never	Rarely	Often	Always
15. How often do you ta products on your cli I use protective creams I put an apron on them Other: 16. Have you received a	Never Never	Rarely	Often	Always
15. How often do you ta products on your cli I use protective creams I put an apron on them Other: 16. Have you received a products? Please ch	Never Never	Rarely	Often	Always
15. How often do you to products on your cli I use protective creams I put an apron on them Other: 16. Have you received a products? Please ch	Never Never	Rarely	Often	Always

b) What kind of information was provided?							
17. On a scale of 1-4, how concerned are you about the effects of chemical products on your health? Please circle one.							
1	2	3	4				
Not concerned	Slightly Concerned	Moderately Concerned	Very concerned				
18. On a scale of 1-4, how on the health of your	v concerned are you abo clients? Please circle on		of chemical products				
1	2	3	4				
Not concerned	Slightly Concerned	Moderately Concerned	Very concerned				
19. What would prompt you to use less toxic hair care products? Please rank them from 1 to 7, 1 being the most important.							
Please rank them from	n 1 to 7, 1 being the mo	st important.					
Please rank them from	n 1 to 7, 1 being the mo	_	ank				
Please rank them from	n 1 to 7, 1 being the mo	_	ank				
	n 1 to 7, 1 being the mo	_	ank				
Price	n 1 to 7, 1 being the mo	_	ank				
Price Accessibility	n 1 to 7, 1 being the mo	_	ank				
Price Accessibility Effectiveness	m 1 to 7, 1 being the mo	_	ank				
Price Accessibility Effectiveness Reliability of the product		_	ank				
Price Accessibility Effectiveness Reliability of the product Product ingredients		_	ank				
Price Accessibility Effectiveness Reliability of the product Product ingredients Health improvements for the	e stylitsts	R					
Price Accessibility Effectiveness Reliability of the product Product ingredients Health improvements for the Other:	e stylitsts	R					
Price Accessibility Effectiveness Reliability of the product Product ingredients Health improvements for the Other:	e stylitsts	R					
Price Accessibility Effectiveness Reliability of the product Product ingredients Health improvements for the Other: 20. Do you recommend h	e stylitsts	R					
Price Accessibility Effectiveness Reliability of the product Product ingredients Health improvements for the Other: 20. Do you recommend h	e stylitsts	your clients? Please ch	neck one.				

a) If so, where did you receive this training?

a) If yes, what h	ealthy hair recomme	ndations do you make?				
21. Do you have health insurance? Please check one.						
☐ Yes						
□ No						
a) If yes, are you co	vered through (pleas	e check one)				
☐ Covered Califo	ornia					
☐ Private Covera	age					
☐ Dependent Co	overage					
☐ Other:						
b) If no,						
☐ I looked and it	t was expensive					
☐ I haven't look	ed but I think it might	t be expensive				
☐ I don't look w	here to find informat	ion about health insurance	e			
☐ Other:	☐ Other:					
22. How would you rate your health? Please circle one.						
1	2	3	4			
Poor	Fair	Good	Excellent			

23. Have you experienced any of the following health symptoms while working in the salon? Check all that apply.

	Check all that apply
Skin irritation	
Nose irritation	
Eye irritation	
Nausea	
Fatigue/tiredness	
Headaches	
Migraines	
Difficulty breathing	
Dizziness	
Stress	
Anxiety	
Chronic pain	
Please indicate what body parts:	
Other:	

24. Have you experienced any of the following physical injuries while at work? Check all that apply.

	Check all that apply
Chemical burn	
Pain in wrists	
Pain in fingers	
Pain in hands	
Cuts	
Loss of function in wrists	
Loss of function in fingers	
Loss of function in hands	
Back pain	
Leg/ foot problems	
Other	

25. Have you ever worked at a hair salon while you were pregnant? Please check one.		
☐ Yes		
□ No		
☐ Not applicable		
26. Do you have a medical history of any of the f Check all that apply.		
	Check all that apply	
Asthma		
Carpal tunnel		
Chronic dermatitis		
Breast cancer		
Cancer		
Please indicate type(s):		
Uterine fibroids		
Difficulty conceiving		
Miscarriage		
Low birth weight		
Premature birth		
Birth defect in child		
Other: 27. Have you experienced any other health symptoms that you suspect might be related to your work? Check one.		
☐ Yes		
□ No		
a) If yes, please explain.		

28. Have you heard of any stylist who have experienced miscarriages, infant death or have given birth to low birth weight, premature babies?
☐ Yes
□ No
a) If yes, can you tell us more about what you have heard?
29. Does the salon have any of the following forms of ventilation? Check all that apply.
☐ Table fan
☐ Salon ventilation system
☐ Ceiling fan
□ Window
☐ Second door that opens
30. Are you interested in learning more about a safer and healthier workplace? Please check one.
☐ Yes
□ No
31. Are you interested in meeting other workers or owners to share and talk about a safer and healthier workplace? Please check one.
☐ Yes
□ No