



# IH/OEHS Exposure Profiles in the Retail Trade

HEALTHIER WORKPLACES | A HEALTHIER WORLD

NOTE: To search within this table, "Control - F" on your keyboard.

The data from the OSHA IMIS does not specify the job title or position description of the worker who was sampled. Therefore, the identification of the Exposed Personnel reflects the best judgement of the author of the profile.

Occupational health exposures don't include all of the maintenance, utility, helpers, and assistants that have not been evaluated by referenced sources.

Type of Operation	Exposed Personnel	Health Hazard	OSHA Standard
Auto and Home Supply Store	Mechanic	Isobutyl Acetate	29 CFR 1910.1000
Auto and Home Supply Store	Mechanic	Methylene Bisphenyl Isocyanate	29 CFR 1910.1000
Auto and Home Supply Store	Mechanic	N-Butyl Acetate	29 CFR 1910.1000
Auto and Home Supply Store	Mechanic	N-Hexane	29 CFR 1910.1000
Auto and Home Supply Store	Mechanic	Toluene	29 CFR 1910.1000
Auto and Home Supply Store	Mechanic	Total Nuisance Dust	29 CFR 1910.1000
Automatic Merchandise Machine Operator	Maintenance Technician	Acetone	29 CFR 1910.1025
Automatic Merchandise Machine Operator	Maintenance Technician	Asbestos Fibers	29 CFR 1910.1001
Automatic Merchandise Machine Operator	Maintenance Technician	Awkward Postures	Section (5)(a)(1)
Automatic Merchandise Machine Operator	Maintenance Technician	Carbon Monoxide	29 CFR 1910.1000
Automatic Merchandise Machine Operator	Maintenance Technician	Toluene	29 CFR 1910.1000
Bars, Night Clubs and Other Drinking Establishment	Maintenance Technician	Asbestos Fibers	29 CFR 1910.1001
Book Store	Maintenance Technician	Asbestos Fibers	29 CFR 1910.1001
Book Store	Maintenance Technician	Formaldehyde	29 CFR 1910.1048
Book Store	Maintenance Technician	Inorganic Lead	29 CFR 1910.1025
Camera and Photographic Supply Store	Maintenance Technician	Ammonia	29 CFR 1910.1000
Camera and Photographic Supply Store	Shopkeeper	Asbestos Fibers	29 CFR 1910.1001
Camera and Photographic Supply Store	Maintenance Technician	Formaldehyde	29 CFR 1910.1048
Catalog/Mail Order House	Maintenance Technician	Asbestos Fibers	29 CFR 1910.1001
Catalog/Mail Order House	Printer	Inorganic Lead	29 CFR 1910.1025
Catalog/Mail Order House	Printer	Styrene	29 CFR 1910.1000
Catalog/Mail Order House	Printer	Xylene Isomers	29 CFR 1910.1000
Computer and Computer Software Store	Repairman	Respirable Crystalline Silica	29 CFR 1910.1053
Direct Selling Establishment	Maintenance Technician	Asbestos Fibers	29 CFR 1910.1001
Direct Selling Establishment	Maintenance Technician	Methylene Chloride	29 CFR 1910.1052
Direct Selling Establishment	Maintenance Technician	Nickel	29 CFR 1910.1000

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Type of Operation	Exposed Personnel	Health Hazard	OSHA Standard
Drapery, Curtain, and Upholstery Store	Upholsterer	Methylene Chloride	29 CFR 1910.1052
Drug Store	Maintenance Technician	Cadmium	29 CFR 1910.1027
Drug Store	Pharmacist	Estradiol	Section (5)(a)(1)
Drug Store	Pharmacist	Estrogen	Section (5)(a)(1)
Drug Store	Pharmacist	Ethanolamine	29 CFR 1910.1000
Drug Store	Maintenance Technician	Inorganic Lead	29 CFR 1910.1025
Drug Store	Pharmacist	Progesterone	Section (5)(a)(1)
Drug Store	Pharmacist	Testosterone	Section (5)(a)(1)
Eating Establishments	Chef/Sous Chef	Awkward Posture	Section (5)(a)(1)
Eating Establishments	Chef/Sous Chef	Carbon Dioxide	29 CFR 1910.1000
Eating Establishments	Maintenance Technician	Microorganism - Fungi	Section (5)(a)(1)
Eating Establishments	Maintenance Technician	N-Butyl Acetate	29 CFR 1910.1000
Eating Establishments	Maintenance Technician	N-Hexane	29 CFR 1910.1000
Eating Establishments	Maintenance Technician	Xylene Isomers	29 CFR 1910.1000
Family Clothing Store	Maintenance Technician	Asbestos Fibers	29 CFR 1910.1001
Floor Covering Store	Flooring Installer	Asbestos Fibers	29 CFR 1910.1001
Floor Covering Store	Flooring Installer	Awkward Posture/ Heavy Load	Section (5)(a)(1)
Floor Covering Store	Flooring Installer	Inorganic Lead	29 CFR 1910.1025
Florist	Shopkeeper	2-Butoxyethanol	29 CFR 1910.1000
Florist	Shopkeeper	Acetone	29 CFR 1910.1000
Florist	Shopkeeper	Asbestos Fibers	29 CFR 1910.1001
Florist	Shopkeeper	Isobutyl Acetate	29 CFR 1910.1000
Florist	Shopkeeper	Respirable Nuisance Dust	29 CFR 1910.1000
Fuel Oil Dealer	Maintenance Technician	Asbestos Fibers	29 CFR 1910.1001
Fuel Oil Dealer	Maintenance Technician	Inorganic Lead	29 CFR 1910.1025
Fuel Oil Dealer	Maintenance Technician	Nitrogen Dioxide	29 CFR 1910.1000
Fuel Oil Dealer	Maintenance Technician	Respirable Crystalline Silica	29 CFR 1910.1053
Furniture Store	Maintenance Technician	Acetone	29 CFR 1910.1000
Furniture Store	Maintenance Technician	Awkward Postures	Section (5)(a)(1)
Furniture Store	Maintenance Technician	Isopropyl Alcohol	29 CFR 1910.1000
Furniture Store	Maintenance Technician	Petroleum Distillates	29 CFR 1910.1000
Furniture Store	Maintenance Technician	Soft Wood Dust	29 CFR 1910.1000
Furniture Store	Maintenance Technician	Toluene	29 CFR 1910.1000
Furniture Store	Maintenance Technician	Total Nuisance Dust	29 CFR 1910.1000
Gasoline Service Station	Mechanic	Awkward Postures	Section (5)(a)(1)
Gasoline Service Station	Mechanic	Benzene	29 CFR 1910.1028
Gasoline Service Station	Mechanic	Respirable Crystalline Silica	29 CFR 1910.1053
Gasoline Service Stations	Mechanic	Xylene Isomers	29 CFR 1910.1000

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Type of Operation	Exposed Personnel	Health Hazard	OSHA Standard
General Merchandise Store	Maintenance Technician	Asbestos Fibers	29 CFR 1910.1001
General Merchandise Store	Maintenance Technician	Manganese	29 CFR 1910.1000
Gift, Novelty, and Souvenir Shop	Maintenance Technician	Respirable Crystalline Silica	29 CFR 1910.1053
Gift, Novelty, and Souvenir Shop	Maintenance Technician	Total Nuisance Dust	29 CFR 1910.1000
Grocery Store	Maintenance Technician	2-Butoxyethanol	29 CFR 1910.1000
Grocery Store	Maintenance Technician	Asbestos Fibers	29 CFR 1910.1001
Grocery Store	Maintenance Technician	Awkward Postures	Section (5)(a)(1)
Grocery Store	Maintenance Technician	Chlorodifluoromethane	29 CFR 1910.1000
Grocery Store	Maintenance Technician	Respirable Crystalline Silica	29 CFR 1910.1053
Grocery Store	Maintenance Technician	Total Nuisance Dust	29 CFR 1910.1000
Hardware and Building Supply Store	Sawyers	Total Nuisance Dust	29 CFR 1910.1000
Hobby, Toy, and Game Shop	Shopkeeper	Carbon Dioxide	29 CFR 1910.1000
Hobby, Toy, and Game Shop	Shopkeeper	Hydrogen	29 CFR 1910.1000
Hobby, Toy, and Game Shop	Shopkeeper	Nitrogen	29 CFR 1910.1000
Hobby, Toy, and Game Shop	Shopkeeper	Nitrous Oxide	29 CFR 1910.1000
Hobby, Toy, and Game Shop	Shopkeeper	Oxygen	29 CFR 1910.1000
Hobby, Toy, and Game Shop	Maintenance Technician	Respirable Crystalline Silica	29 CFR 1910.1053
Household Appliance Store	Installer	Asbestos Fibers	29 CFR 1910.1001
Jewelry Store	Jeweler	Cadmium	29 CFR 1910.1027
Jewelry Store	Jeweler	Inorganic Lead	29 CFR 1910.1025
Jewelry Store	Jeweler	Total Nuisance Dust	29 CFR 1910.1000
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder Helper	Antimony	29 CFR 1910.1000
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder/Pipe Fitter	Antimony	29 CFR 1910.1000
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder Helper	Awkward Postures	Section (5)(a)(1)
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder/Pipe Fitter	Awkward Postures	Section (5)(a)(1)
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder Helper	Beryllium	29 CFR 1910.1024
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder/Pipe Fitter	Beryllium	29 CFR 1910.1024
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder Helper	Cadmium	29 CFR 1910.1027
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder/Pipe Fitter	Cadmium	29 CFR 1910.1027
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder Helper	Chromium III	29 CFR 1910.1000
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder/Pipe Fitter	Chromium III	29 CFR 1910.1000

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Type of Operation	Exposed Personnel	Health Hazard	OSHA Standard
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder Helper	Cobalt	29 CFR 1910.1000
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder/Pipe Fitter	Cobalt	29 CFR 1910.1000
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder Helper	Copper	29 CFR 1910.1000
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder/Pipe Fitter	Copper	29 CFR 1910.1000
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder Helper	Inorganic Lead	29 CFR 1910.1025
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder/Pipe Fitter	Inorganic Lead	29 CFR 1910.1025
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder Helper	Iron Oxide	29 CFR 1910.1000
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder/Pipe Fitter	Iron Oxide	29 CFR 1910.1000
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder Helper	Manganese	29 CFR 1910.1000
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder/Pipe Fitter	Manganese	29 CFR 1910.1000
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder Helper	Molybdenum	29 CFR 1910.1000
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder/Pipe Fitter	Molybdenum	29 CFR 1910.1000
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder Helper	Nickel	29 CFR 1910.1000
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder/Pipe Fitter	Nickel	29 CFR 1910.1000
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder Helper	Vanadium Oxide	29 CFR 1910.1000
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder/Pipe Fitter	Vanadium Oxide	29 CFR 1910.1000
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder Helper	Zinc Oxide	29 CFR 1910.1000
Liquefied Petroleum Gas (Bottled Gas) Dealer	Welder/Pipe Fitter	Zinc Oxide	29 CFR 1910.1000
Liquor Store	Shopkeeper	Asbestos Fibers	29 CFR 1910.1001
Liquor Store	Shopkeeper	Benzene	29 CFR 1910.1028
Liquor Store	Shopkeeper	Gasoline	29 CFR 1910.1000
Lumber and Building Material	Sawyers	Awkward Postures	Section (5)(a)(1)
Lumber and Building Material	Welder/Grinder/Cutter	Iron Oxide	29 CFR 1910.1000
Lumber and Building Material	Sawyers	Respirable Crystalline Silica	29 CFR 1910.1053
Lumber and Building Material	Maintenance Technician	Toluene	29 CFR 1910.1000
Lumber and Building Material	Sawyers	Total Nuisance Dust	29 CFR 1910.1000
Miscellaneous Apparel and Accessory Store	Maintenance Technician	Inorganic Lead	29 CFR 1910.1025

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Type of Operation	Exposed Personnel	Health Hazard	OSHA Standard
Miscellaneous Apparel and Accessory Store	Maintenance Technician	Toluene	29 CFR 1910.1000
Miscellaneous Food Store	Maintenance Technician	Dipropylene Glycol Methyl Ether	29 CFR 1910.1000
Miscellaneous Home Furnishings	Installer	Asbestos Fibers	29 CFR 1910.1001
Miscellaneous Home Furnishings	Installer	Awkward Posture	Section (5)(a)(1)
Miscellaneous Home Furnishings	Installer	Carbon Monoxide	29 CFR 1910.1000
Miscellaneous Home Furnishings	Installer	Formaldehyde	29 CFR 1910.1048
Miscellaneous Home Furnishings	Installer	Methylene Bisphenyl Isocyanate	29 CFR 1910.1000
Miscellaneous Home Furnishings	Installer	Respirable Crystalline Silica	29 CFR 1910.1000
Miscellaneous Retail Store	Maintenance Technician	Benzene	29 CFR 1910.1028
Miscellaneous Retail Store	Maintenance Technician	Chlorine	29 CFR 1910.1000
Miscellaneous Retail Store	Maintenance Technician	Microorganism - Fungi	Section (5)(a)(1)
Miscellaneous Retail Store	Maintenance Technician	Styrene	29 CFR 1910.1000
Miscellaneous Retail Store	Maintenance Technician	Toluene	29 CFR 1910.1000
Musical Instrument Store	Maintenance Technician	Asbestos Fibers	29 CFR 1910.1001
New Automotive Dealership	Mechanic	2-Butanone	29 CFR 1910.1000
New Automotive Dealership	Mechanic	Asbestos Fibers	29 CFR 1910.1001
New Automotive Dealership	Mechanic	Asphalt Fumes (Coal Tar Pitch Volatiles)	29 CFR 1910.1000
New Automotive Dealership	Mechanic	Awkward Postures	Section (5)(a)(1)
New Automotive Dealership	Shopkeeper	Antimony	29 CFR 1910.1000
New Automotive Dealership	Mechanic	Iron Oxide	29 CFR 1910.1000
New Automotive Dealership	Mechanic	N-Butyl Acetate	29 CFR 1910.1000
New Automotive Dealership	Mechanic	Respirable Dust	29 CFR 1910.1000
New Automotive Dealership	Mechanic	Toluene	29 CFR 1910.1000
New Automotive Dealership	Mechanic	Total Nuisance Dust	29 CFR 1910.1000
New Automotive Dealership	Mechanic	Xylene Isomers	29 CFR 1910.1000
News Dealers and Stands	Shopkeeper	Antimony	29 CFR 1910.1000
News Dealers and Stands	Shopkeeper	Cadmium	29 CFR 1910.1027
News Dealers and Stands	Shopkeeper	Inorganic Lead	29 CFR 1910.1025
News Dealers and Stands	Shopkeeper	Stoddard Solvent	29 CFR 1910.1000
News Dealers and Stands	Shopkeeper	Vanadium Oxide	29 CFR 1910.1000
News Dealers and Stands	Shopkeeper	Zinc Oxide	29 CFR 1910.1000
Optical Good Store	Lab Technician	Allyl Alcohol	29 CFR 1910.1000
Optical Good Store	Optometrist	Allyl Alcohol	29 CFR 1910.1000

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Type of Operation	Exposed Personnel	Health Hazard	OSHA Standard
Optical Good Store	Lab Technician	Cadmium	29 CFR 1910.1027
Optical Good Store	Optometrist	Cadmium	29 CFR 1910.1027
Optical Good Store	Lab Technician	Chlorobenzene	29 CFR 1910.1000
Optical Good Store	Optometrist	Chlorobenzene	29 CFR 1910.1000
Optical Good Store	Lab Technician	Inorganic Lead	29 CFR 1910.1025
Optical Good Store	Optometrist	Inorganic Lead	29 CFR 1910.1025
Optical Good Store	Lab Technician	Respirable Dust	29 CFR 1910.1000
Optical Good Store	Optometrist	Respirable Dust	29 CFR 1910.1000
Other Fuel Oil Dealer	Welder/Pipe Fitter	Asbestos Fibers	29 CFR 1910.1001
Paint, Glass, Wallpaper Store	Paint Mixer	2-Butanone	29 CFR 1910.1000
Paint, Glass, Wallpaper Store	Paint Mixer	2-Butoxyethanol	29 CFR 1910.1000
Paint, Glass, Wallpaper Store	Repairman	Asbestos Fibers	29 CFR 1910.1001
Paint, Glass, Wallpaper Store	Paint Mixer	Cyclohexanone	29 CFR 1910.1000
Paint, Glass, Wallpaper Store	Paint Mixer	Isopropyl Alcohol	29 CFR 1910.1000
Paint, Glass, Wallpaper Store	Paint Mixer	Toluene	29 CFR 1910.1000
Paint, Glass, Wallpaper Store	Paint Mixer	Xylene Isomers	29 CFR 1910.1000
Radio, Television, and Consumer Electronics Store	Repairman	Awkward Posture	Section (5)(a)(1)
Radio, Television, and Consumer Electronics Store	Repairman	Hexamethylene Diisocyanate	29 CFR 1910.1000
Radio, Television, and Consumer Electronics Store	Repairman	Methylene Bisphenyl Isocyanate	29 CFR 1910.1000
Radio, Television, and Consumer Electronics Store	Repairman	Toluene-2,6-Diisocyanate	29 CFR 1910.1000
Record and Prerecorded Tape Store	Repairman	Asbestos Fibers	29 CFR 1910.1001
Recreational Vehicle Dealer	Mechanic	Gasoline	29 CFR 1910.1000
Recreational Vehicle Dealer	Mechanic	Toluene	29 CFR 1910.1000
Retail Bakery	Food Processor	Awkward Postures	Section (5)(a)(1)
Retail Bakery	Food Processor	Flour Dust	29 CFR 1910.1000
Retail Department Store	Maintenance Technician	2-Butoxyethanol	29 CFR 1910.1000
Retail Department Store	Maintenance Technician	Asbestos Fibers	29 CFR 1910.1001
Retail Department Store	Maintenance Technician	Awkward Postures	Section (5)(a)(1)
Retail Department Store	Maintenance Technician	Awkward Postures	Section (5)(a)(1)
Retail Department Store	Maintenance Technician	Cyclohexane	29 CFR 1910.1000
Retail Department Store	Shopkeeper	Hexamethylene Diisocyanate	29 CFR 1910.1000
Retail Department Store	Shopkeeper	Methylene Bisphenyl Isocyanate	29 CFR 1910.1000
Retail Department Store	Maintenance Technician	Inorganic Lead	29 CFR 1910.1025
Retail Department Store	Maintenance Technician	Isobutyl Acetate	29 CFR 1910.1000
Retail Department Store	Maintenance Technician	Isopropyl Alcohol	29 CFR 1910.1000

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Type of Operation	Exposed Personnel	Health Hazard	OSHA Standard
Retail Department Store	Maintenance Technician	Methyl Chloroform	29 CFR 1910.1000
Retail Department Store	Maintenance Technician	N-Hexane	29 CFR 1910.1000
Retail Department Store	Maintenance Technician	Radon	Section (5)(a)(1)
Retail Department Store	Maintenance Technician	Respirable Crystalline Silica	29 CFR 1910.1053
Retail Department Store	Maintenance Technician	Toluene	29 CFR 1910.1000
Sewing, Needlework, and Piece Goods Store	Shopkeeper	Acrolein	29 CFR 1910.1000
Sewing, Needlework, and Piece Goods Store	Shopkeeper	Formaldehyde	29 CFR 1910.1048
Sewing, Needlework, and Piece Goods Store	Shopkeeper	Hexamethylene Diisocyanate	29 CFR 1910.1000
Sewing, Needlework, and Piece Goods Store	Shopkeeper	Methylene Bisphenyl Isocyanate	29 CFR 1910.1000
Shoe Stores	Maintenance Technician	Asbestos Fibers	29 CFR 1910.1001
Sporting Good and Bicycle Shop	Assembler/Repairer	Arsenic	29 CFR 1910.1018
Sporting Good and Bicycle Shop	Assembler/Repairer	Cadmium	29 CFR 1910.1027
Sporting Good and Bicycle Shop	Assembler/Repairer	Inorganic Lead	29 CFR 1910.1025
Sporting Good and Bicycle Shop	Assembler/Repairer	Total Nuisance Dust	29 CFR 1910.1000
Stationary Store	Maintenance Technician	Asbestos Fibers	29 CFR 1910.1001
Stationary Store	Maintenance Technician	Inorganic Lead	29 CFR 1910.1025
Used Automotive Dealership	Mechanic	Awkward Postures	Section (5)(a)(1)
Used Automotive Dealership	Mechanic	Hexamethylene Diisocyanate (HMDI)	29 CFR 1910.1000
Used Merchandise Store	Welder/Grinding/Cutter	Arsenic	29 CFR 1910.1018
Used Merchandise Store	Maintenance Technician	Asbestos Fibers	29 CFR 1910.1001
Used Merchandise Store	Welder/Grinding/Cutter	Cadmium	29 CFR 1910.1027
Used Merchandise Store	Maintenance Technician	Hydrogen Chloride	29 CFR 1910.1000
Used Merchandise Store	Welder/Grinding/Cutter	Inorganic Lead	29 CFR 1910.1025
Used Merchandise Store	Maintenance Technician	Nitric Acid	29 CFR 1910.1000
Women's Clothing Store	Maintenance Technician	Asbestos Fibers	29 CFR 1910.1001