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## A GUIDE TO SANITATION, DISINFECTION & STERILIZATION for Salons and Spas in Nova Scotia Regulated by the Cosmetology Association of NS

Universal precautions are an essential part of the Cosmetology Industry; here is a comprehensive guide for practical use in Salons and Spas.

When reuse of equipment is necessary and surfaces become contaminated, understanding and utilizing the proper Sanitation, Disinfection and Sterilization methods is required to maintain Universal Safety Precautions.

### Examples of possible Classification – Treatment – Description for equipment, implements, interments etc.

Classification	Treatment	Description
<b>Critical</b>	Sterilization	Any instrument/equipment that punctures the skin or contacts the puncture site or a sterile instrument before puncturing.
<b>Semi-Critical</b>	High-Level Disinfection (HLD)	Any instrument/equipment that contacts non-intact skin or a mucous membrane, but ordinarily does not penetrate it.
<b>Non-Critical</b>	Intermediate-Level Disinfection (ILD)	Any instrument/equipment that, during routine use, only contacts intact skin, but may accidentally contact non-intact skin or receive blood or body fluid splatter.
	Low-Level Disinfection (LLD)	Instruments/equipment that does not directly touch the client or contacts only intact skin.

### Examples of the possible THREE LEVELS OF DISINFECTION (use manufacturers directions)

Levels	Definition	Determining Product to Use
<b>High-level disinfection (HLD)</b>	Is a process capable of killing vegetative bacteria, mycobacteria (including <i>Mycobacterium tuberculosis</i> ), fungi, and enveloped (lipid) and non-enveloped (non-lipid) viruses, as well as some, but not necessarily high numbers of bacterial endospores.	When choosing a disinfectant the manufacturers label will state "high-level disinfectant". If it does not state this, then it is not acceptable unless it meets all requirements.
<b>Intermediate-level disinfection (ILD)</b>	Is a process capable of killing vegetative bacteria, mycobacteria including <i>Mycobacterium tuberculosis</i> , most fungi, enveloped (lipid) viruses and most non-enveloped (non-lipid) viruses.	When choosing an intermediate-level disinfectant the manufacturers label must have an efficacy claim stating mycobactericide or tuberculocide.
<b>Low-level disinfection (LLD)</b>	Is a process capable of killing most vegetative bacteria, some fungi, enveloped (lipid) viruses and some non-enveloped (non-lipid) viruses.	When choosing a low-level disinfectant the manufacturers label must have a general disinfectant claim, including Salmonella, Pseudomonas and Staphylococcus.

Disinfection products must claim the appropriate level of disinfection which can be identified through their Drug identification number( DIN). **“Drug Identification Number (DIN)”** means a number provided only by Health Canada which ensures that labeling and supporting data have been provided and that the product has undergone and passed a review of its formulation, labeling and instructions for use.

### Common trade names of disinfectants. (Must have DIN)

Level of Sterilization or Disinfection	Examples of Trade Names
STERILIZATION	Statim Autoclave Prestige Autoclave Pelton and Crane Autoclave MDT Chemiclave
HIGH-LEVEL DISINFECTION	Cidex OPA, MetriCide, Accell CS 20 7%, Rapicide PA , Steris 20, Steris Resert, HLD 5, Optim CS 20, Sporox, 6.15% Ultra Clorox Professional bleach (5000 ppm)
INTERMEDIATE-LEVEL DISINFECTION	BioMERS, BioSURF, BM-6400, Instrubex-E, SEPTeFX, tbMinuteman, T36 Disinfex, AccelTB 5.25-6.15% household bleach (1000ppm)
LOW-LEVEL DISINFECTION	Barbicide, Marvicide, Zepamine-A, Environ™ LpH™, Lysol chemicals, Virox 5 concentrate, Carpe Diem, Supergermiphene, Quat based antiseptic towelettes, Virox 5, Accel Surface cleaner, Germicide-3 Disinfectant Cleaner, Cavicide, BioTEXT, Gamut Plus, 7D TEXT 5.25-6.15% household bleach (100ppm)

### Preparing Household Bleach as a Disinfectant

Disinfection Level Required	When to Use	*How to Mix Bleach Solution
HIGH LEVEL  1:10 dilution of bleach** (1 part bleach: 9 parts water) ≥ 5000 ppm  Must have DIN and indicate HLD on label.	SEMI-CRITICAL Instrument/equipment that comes into contact with non-intact skin or mucous membrane but ordinarily does not penetrate it <i>Note: Also used to clean surfaces following contact with blood or body fluids or where sterilization is not possible.</i>	100 ml bleach with 900 ml water; makes one liter of solution  Or  ½ cup. bleach with 4 cups water
INTERMEDIATE LEVEL  1:50 dilution of bleach** (1 part bleach: 49 parts water) ≥ 1000 ppm	SOME NON-CRITICAL Instrument/equipment that, during routine use, only contact intact skin, but may accidentally contact non-intact skin or receive blood or bodily fluid splatter	20 ml bleach with 980 ml water makes one liter of solution  Or  4 tsp. bleach with 4 cups water
LOW LEVEL  1:500 dilution of bleach** (1 part bleach: 499 parts water) ≥ 100 ppm	NON-CRITICAL Instrument/equipment that does not directly contact the client or that contacts only intact skin during routine use  <i>Note: These items do not contact blood or body fluids. May be used for routine housekeeping.</i>	5 ml bleach with 2 ½ L water  Or  1 tsp. bleach with 10 cups water

# Suggested Personal Service Equipment & Instrument Classification

## Common Personal Service Equipment & Instruments/Equipment and Disinfection / Sterilization Level

Service Type	*Single-Use Disposable Items <i>Discard after Use</i>	Instruments/ Equipment: Sterilization <i>Critical Item(s)</i>	Instruments/ Equipment: High-Level Disinfection <i>Semi-critical Item(s)</i>	Instruments/ Equipment: Intermediate- Level Disinfection <i>Non-critical Item(s)</i>	Instruments/ Equipment: Low-Level Disinfection <i>Non-critical Item(s)</i>
Hair services	Disposable razors Blades used for shaving (e.g. straight razor) Neck strips Needles used for hair extensions and weaves	Straight razors (single use disposable is recommended)	Hair clipper blades and crochet hooks (if nicked the skin).	Shaving razor handle and cradle	Combs Brushes Scissors Hair razors Clipper blades Rollers, clips and caps Service trays Crochet hooks
Nail services (manicures and pedicures)	Emery boards (paper or foam) Nail files. Foam sandals Toe separators Pedicure blades Disposable applicator for styptic product Paraffin wax Manicure drill Sanding bands Manicure, pedicure burs Disposable cuticle pushers		Nail clippers Nail nippers Cuticle Scissors Cuticle pushers Drill bits Rasp Callus remover (non-porous)	Manicure/ pedicure bowls Pedicure footbaths (must remove and disinfect the filter as well as the bowl for re-circulating types)	Treatment beds Client chairs Benches Work tables Neck and arm rests Table tops and counters Manicure trays Manicure UV-light cabinets
Esthetics	Facial lancets/ needles Disposable extractor loops Waxing applicators and strips Make-up applicators <i>Note: Eye and lip pencils can be re-used if sharpened before each client use</i>	Lancets Tweezers (if used to break skin, e.g. remove ingrown hairs) Extractor needle and loop (single use disposable recommended)	Drill bits Waxing tweezers Glass and metal suction cups Comedone extractor	Water basins for facial vaporizer	Treatment beds Client chairs benches neck and arm rests Work counters / table tops Brushes. Electrodes Glass ventuse
Waxing	Waxing applicators Spatulas Strips Wax and containers use to "double dip"	Lancets Tweezers (if used to break skin and remove ingrown hairs)			

\* The following services are not currently regulated under the Cosmetology Association of NS

Service Type	*Single-Use Disposable Items <i>Discard after Use</i>	Instruments/ Equipment: Sterilization <i>Critical Item(s)</i>	Instruments/ Equipment: High-Level Disinfection <i>Semi-critical Item(s)</i>	Instruments/ Equipment: Intermediate- Level Disinfection <i>Non-critical Item(s)</i>	Instruments/ Equipment: Low-Level Disinfection <i>Non-critical Item(s)</i>
Laser services		Tips exposed to blood	Eye goggles	Laser wand	Treatment beds Client chairs Benches Table Neck and arm rests.
Electrolysis	Gloves Razors Pre-sterilized needles / filaments Cream applicators Machine cord covers Single-use towel Single-use conductive-gel pad Dental lip roll Swabs used to apply skin antiseptic Cotton balls Gauze Cotton applicators Electrolysis needles or needle and cap units Hypodermic needles/lancets Single-use wooden tongue depressor	Forceps Tweezers Lancets	Needle holders metal pin devices and plastic needle-holder tips Scissors Eye goggles		Epilators Buttons/Knobs Trays Magnifying lamp and arm (or cover with single-use plastic and change after each client).Instrument container Scissors



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