# PROCEDURE TO DISINFECT AND REUSE MASKS AND GLOVES AT HOUSEHOLD LEVEL

Procedure	Types of Masks and Gloves	
	Surgical (Type 1,2,3); Respiratory (N95/N00/N100), & Rubber Gloves	Cloth based masks and gloves
Step 1: Preparation (Essential before you go out)	<b>✓</b>	<b>✓</b>
Always keep a small metal utensil (use copper if available) half filled with water ready near the entrance		
Add 1-2 litre water + 2 spoons of detergent + 1 spoon of common salt		
Caution: Don't let the utensil overflow.		
Step 2: To get rid of any probable source of infection that we may have carried from outside	<b>✓</b>	<b>✓</b>
On Entering your home, immediately remove masks or gloves by holding the ear threads or strings with your		
hands; First untie lower thread followed by the upper thread.		
Dip the mask/ gloves in utensil (provided in Step 1)		
Step 3: Hand Sanitization	<b>✓</b>	<b>✓</b>
Without touching your face or anything, immediately wash hands with soap for 20 seconds or sanitize with		
a sanitizer having 70% alcohol		
Step 4: Disinfection of Gloves/masks	×	<b>✓</b>
4A. For cloth-based masks		
Heat the utensil or steam in a pressure cooker		
Wait for it to cool.		
Properly rinse the dipped masks.		
Discard the dirty water and proceed for step 5.		
4B. For Surgical masks or N95/N99/N100 masks or rubber or Polypropylene based gloves	<b>✓</b>	×
Heat the soap solution to make it warm (around 70°C), wait for 15 minutes, rinse thoroughly and follow step		
5 and 6,		
OR Instead of dipping in detergent or salt, directly proceed with Step 2,		
followed by Steaming the Mask for 15 minutes using vaporiser or a pressure cooker by placing the utensil on a		
separator (may be an inverted plate or bowl to break direct contact with water while steaming)		
Step 5: Ensure Proper drying	$\checkmark$	<b>√</b>
Put the masks/gloves for drying (preferably sun dry for 5 hours)		
Step 6: Reuse		
Following all these steps, cloth-based masks can be used multiple times while non-cloth masks can be	<b>✓</b>	$\checkmark$
reused up to 4 times		

Important Notes: DO NOT DIP/TREAT MASKS IN HAND SANITISERS as they contain GLYCERIN, which will make them STICKY and UNFIT FOR RE-USE SURGICAL MASKS N95/99/N100 and RESPIRATORS (TYPE 1/2/3) also contain POLYPROPYLENE fabric with GSM between 20 gm/m<sup>2</sup> & 25 gm/m<sup>2</sup>, and other materials therefore, temperature should not exceed 70°C

### PART B: DISPOSAL OF USED MAK

# FOLLOW THIS PROCEDURE AFTER N95/N99/N100 MASKS AND RESPIRATORS (ALL TYPES) HAVE BEEN RE-USED FOR 4 TIMES

#### PROCEDURE FOR SAFE DISPOSAL OF USED MASKS AT THE HOUSEHOLD LEVEL Add 1-2 tablespoon Add 1/2-1 teaspoon of Detergent per of salt per litre of litre of water water Wash hands in Take off masks Soak for 20-30 On Entering soap for 20 with the help of Put/Dip masks in a nonminutes home first seconds ear thread only plastic container like Wash hands in without touching Boil the contents aluminium, steel, iron or soap for 20 any exposed part earthen pre-filled with 1seconds 2 tablespoon detergent and 1/2-1 teaspoon of salt, Do not touch anything Discard masks This process is useful for for disposal Cut or shred masks to treatment of 5-6 masks per prevent misuse Sun dry the masks or hang outside boiling home until fully dry for ensuring 100% drying

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# इस प्रक्रिया का N95 / N99 / N100 MASKS और सभी प्रकार के Respirators को चार बार उपयोग के बाद पालन करें

# प्रयुक्त मास्क के सुरक्षित निपटान हेतु घरेलू स्तर पर प्रक्रिया



पर्यावरण अभियांत्रिकी प्रयोगशाला, सी आर डी टी, आई आई टी, दिल्ली