The following is a list of essential items needed for implementing a massive cleaning and disinfection of schools reopening after COVID-19 interruption. The assumption is that after reopening of school, materials previously distributed for cleaning and disinfection may have deteriorated or found missing.  
The kit does not included items for other regular activities (hand washing of students and teachers, MHM…). The current assumption is that once school will reopen, after having implemented a massive cleaning, [kit 1: WASH in school](https://savethechildren1.sharepoint.com/:w:/r/what/humanitarian/_layouts/15/Doc.aspx?sourcedoc=%7B08C3CB10-3120-4969-819F-DA96D1859861%7D&file=1_WASH_school_kit_v1.docx&action=default&mobileredirect=true) and [Kit 2: Essential COVID-19 WASH in school](https://savethechildren1.sharepoint.com/:w:/r/what/humanitarian/SCDocuments/Global%20-%20COVID-19/Global/Technical%20resources/WASH/01_Essential/Global/Schools/2_covid_19_school_kit_v1.docx?d=wd7178cf87cc64a3c90d1ddacb863af2a&csf=1&web=1&e=1bceKK) item would be needed in each school.

Refer to [Hygiene COVID-19 guidance](https://savethechildren1.sharepoint.com/:w:/r/what/humanitarian/SCDocuments/Global%20-%20COVID-19/Global/Technical%20resources/WASH/01_Essential/Global/Schools/6_hygiene_covid-19_guidance_v1.docx?d=w4ae66b47809a4bbcb34ed76d264f4958&csf=1&web=1&e=BBfHIM) for more instruction on how to use the kt.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **#** | **Item** | **Specification** | **Quantity** | **Unit** | **Unit cost (USD)** | **Comments** |
| **Cleaning and disinfecting tools and consumables[[1]](#footnote-1)** | | | | | | |
| 1 | Drum with tap and support | 200 litres HDPE drum with lid and tap (2 washers) and support to raise the drum | 1 | set |  | The drum will be used to store 0,1% disinfectant solution to be used for disinfection of school’s surfaces. |
| 2 | Disinfectant[[2]](#footnote-2) | Disinfectant bleaching liquid; 5% (sodium hypochlorite) **or** | 2 | Litres/100 persons |  | Bleach should be preferred for sustainability purposes, when available in the local market.  Calculated on a need of 90 litres of 0,1% solution per 100 persons (around 3 classes).  After cleaning with water and detergent, surfaces will be disinfected to kill coronavirus. |
| Calcium hypochlorite (HTH) granules 65-70% active chlorine **or** | 0.135 | Kg/100 persons |  | In case bleach is not available in the market or not convenient, HTH can be used.  HTH quantity is calculated on a need of 90 litres of 0,1% solution per 100 persons (around 3 classes).  After cleaning with water and detergent, surfaces will be disinfected to kill coronavirus. |
| Sodium dichloroisocyanurate (NaDCC) granules 55% active chlorine | 0.135 | Kg/100 persons |  | NaDCC should be preferred, if available, as less corrosive and more stable product. Also HTH can be explosive, so NaDCC can be preferred. NaDCC quantity is calculated on a need of 90 litres of 0,1% solution per 100 persons (around 3 classes).  After cleaning with water and detergent, surfaces will be disinfected to kill coronavirus. |
| 3 | Table spoon | Table/soup spoon, possibly of plastic (tick/robust) | 2 per cleaner | pcs |  | The table spoon should be used to dose the HTH/NaDCC. Each table spoon full to the brim should contain around 15 gr of product. |
| 4 | Stick for stirring | Wooden or plastic stick (non-metallic) long enough to stir the disinfectant solution inside the containers we have (usually 20 litres plastic bucket) | 1 per cleaner | pcs |  | The disinfectant solution (produced with bleach, HTH or NaDCC) should be stirred for 10 seconds or until powder has dissolved. |
| 5 | WataTest | [Link to product specifications](https://watatechnology.com/en/products-and-services/) | 1 per SC WASH monitoring staff | kit |  | This reagent makes it possible to determine the concentration of active chlorine in any chlorine solution, in grams per litre, within a range of 1 to 7 g/l (0.1 to 0.7% of active chlorine), with an accuracy of ± 0.5 g/l. The reagent should be purchased and used by WASH team to test the effectiveness of the product (HTH, NaDCC, bleach) before distributing this and also to monitor the production of disinfectant solutions in schools. |
| 6 | Detergent | Laundry powder | 1 | Kg/100 persons |  | Used for washing soiled surfaces before disinfecting. |
| 7 | Broom | Preferred model to be agreed with users and according market availability | 1 per  3 classrooms | pcs |  | For cleaning before disinfection. |
| 8 | Mops (stick) |  | 1 per  3 classrooms | pcs |  | The item may not be appropriated for classes with compacted soil floor, for those cases a local broom may be preferred. |
| 9 | Cloth for mops | Fabric cloth | 10 per  3 classrooms | pcs |  | The item may not be appropriated for classes with compacted soil floor. |
| 10 | Bucket | 20 litres plastic bucket with lid and handle (according users preference specifically designed “2 buckets” mop model can be purchase, in this case only 1 item will be needed) | 2 per 3 classrooms | pcs |  | For cleaning before disinfection (1 bucket for soapy water and 1 bucket for rinse solution) and for collecting disinfectant solution. Refer to [Hygiene COVID-19 guidance](https://savethechildren1.sharepoint.com/:w:/r/what/humanitarian/SCDocuments/Global%20-%20COVID-19/Global/Technical%20resources/WASH/01_Essential/Global/Schools/6_hygiene_covid-19_guidance_v1.docx?d=w4ae66b47809a4bbcb34ed76d264f4958&csf=1&web=1&e=NA9GT9) for “2 buckets method”. |
| 11 | Cloths for other surfaces cleaning | Fabric cloth | 10 per  3 classrooms | pcs |  | To clean frequently touched surfaces (desks, doors handles, taps…). |
| 12 | 100 lt light bin bags | 100 lt waste bin bags for light waste | 3 per 100 persons | pcs |  | To collect light waste from schools classes, yards, offices… |
| 13 | 100 lt heavy duty bags | 100 lt waste bin bags for heavy/sharpen solid waste | 1 per 100 persons | pcs |  | To collect heavy/sharpen waste from schools classes, yards, offices… |
| **PPE for cleaners[[3]](#footnote-3)** | | | | | | |
| 14 | Heavy duty rubber gloves | Domestic reusable tick rubber gloves | 1 per cleaner | pair |  | At the end of each cleaning session, after removal, gloves should be cleaned with soap and water and decontaminated with 0.1% chlorine solution and let dry fully before reuse. |
| 15 | Heavy duty leather gloves | Domestic reusable tick leather gloves | 1 per cleaner | pair |  | To be used for staff doing waste collection and using incinerator. At the end of each cleaning session, after removal, gloves should be cleaned with soap and water and decontaminated with 0.1% chlorine solution and let dry fully before reuse. |
| 16 | Cleaning suit | Reusable cleaning suit | 1 per cleaner | pcs |  | Cleaning suit should be cleaned by using regular laundry soap and water or machine wash at 60–90 °C (140–194 °F) with common household detergent, and dry thoroughly[[4]](#footnote-4). |
| 17 | Boots | Rubber boots | 1 per cleaner | pair |  | At the end of each cleaning session, after removal, boots should be cleaned with soap and water and decontaminated with 0.1% chlorine solution and let dry fully before reuse. |
| 18 | High filtration or respiratory protection mask | Minimum N95 respirator according to FDA Class II, under 21 CFR 878.4040, and CDC NIOSH.  Good breathability with design that does not collapse against the mouth (e.g. duckbill, cup-shaped).[[5]](#footnote-5) | 2 per cleaner per day | pcs |  | A respiratory mask can be used by the same person for a maximum of 12 hours. A damaged, wet or dirty mask should be replaced. |
| 19 | Eye protection | Plastic medical goggles or facial shield | 1 per cleaner | pcs |  | At the end of each cleaning session, after removal, eyes protection should be cleaned with soap and water and decontaminated with 0.1% chlorine solution and let dry fully before reuse. |
| 20 | Soap for cleaners’ handwashing | Bar of 125 g soap - washing hands and body; contains minimum of 65% of fatty acid; contains maximum 0.5% NaOH (Sodium Hydroxide); minimum 2 years shelf life. | 1 per cleaner | pcs |  | Soap are intended to be used by cleaners to wash their hands at the end of each working day. |
| **Cleaning tools for toilets[[6]](#footnote-6)** | | | | | | |
| 21 | Cloth for mops | Fabric cloths | 4 per  toilet block | pcs |  | Dedicated to toilet cleaning.  The item may not be appropriated for latrines with no cemented/plastic slab and just compacted soil. |
| 22 | Bucket | 20 litres plastic bucket with lid (according users preference specifically designed “2 buckets” model can be purchase, in this case only 1 item will be needed) | 2 per toilet block | pcs |  | Dedicated for toilets. For cleaning soiled surfaces (1 bucket for soapy water and 1 bucket for rinse solution). For latrines with no cemented/plastic slab and just compacted soil 1 bucket only could be recommended to clean the toilet brush and latrine hole. |
| 23 | Toilet brush | Plastic scrubbing brush with handle | 1 per latrine block | pcs |  | Dedicated to toilet cleaning. |
| **IEC material** | | | | | | |
| 24 | A4 IEC sticker | * 1 A4 to be stuck on 0.1% solution drum to label the content and warn about danger. * 1 A4 for use of PPE while preparing disinfectant solution and while cleaning. * 1 A4 with instructions on how to prepare the disinfectant solution 0.1% for surfaces. * 1 A4 for cleaning schedule and SOP. | Set of 4 stickers | set |  | To be placed in a space dedicated to cleaner staff or where cleaning material is stored.  Instructions for preparing 0.1% chlorine disinfectant will need to be adjusted depending from concentration of bleach product available in the market.  Refer to this [calculator](https://www.publichealthontario.ca/en/health-topics/environmental-occupational-health/water-quality/chlorine-dilution-calculator) or to the [Hygiene COVID-19 guidance](https://savethechildren1.sharepoint.com/what/humanitarian/SCDocuments/Global%20-%20COVID-19/Global/Technical%20resources/WASH/01_Essential/Global/Schools/6_hygiene_covid-19_guidance_v3_EN.docx) for preparing the desired chlorine concentration solution from a given concentration bleach product, from HTH 70% or from NaDCC 55%. |
|  | **Total Cost** |  |  |  | **0** |  |

1. Surfaces will be disinfected after cleaning with water and detergent to kill coronavirus. Also water tanks and drinking water drums should be disinfected, refer to [WHO guidance](https://www.who.int/water_sanitation_health/hygiene/envsan/cleaningtanks.pdf?ua=1) on tank disinfection [↑](#footnote-ref-1)
2. As disinfectant, 0.1% chlorine solution is currently suggested by [GWC- COVID-19 response, guidance #2](https://drive.google.com/file/d/1gaKJTphexXWIQoR8-Hja1oBj-UViXJXr/view) at schools, camps and household level. [↑](#footnote-ref-2)
3. PPE should be used to protect cleaners from splashes of material contaminated by coronavirus as well as for protect skin and eyes of cleaners during preparation of disinfectant solution and its use. Refer to [guidance on how to safely wear and remove PPE](https://www.cdc.gov/hai/pdfs/ppe/ppe-sequence.pdf). [↑](#footnote-ref-3)
4. [WHO- Home care for patients with COVID-19 presenting with mild symptoms and management of their contacts](https://apps.who.int/iris/rest/bitstreams/1272288/retrieve) [↑](#footnote-ref-4)
5. [WHO- COVID-19 Disease Commodity Packages](https://www.who.int/emergencies/what-we-do/prevention-readiness/disease-commodity-packages/dcp-ncov.pdf?ua=1) [↑](#footnote-ref-5)
6. A set of cleaning tools should be dedicated to toilets to be used only in those highly contaminated services and not been used for cleaning other areas. [↑](#footnote-ref-6)