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SUMMARY ON RESEARCH TO ESTABLISH A WORKABLE SOLUTION TO SANITIZE SURFACES AND HANDS AMIDST THE COVID-19 PANDEMIC.

The following cleaning techniques and cleaning principles should be followed

- ✓ Surfaces should always be cleaned with soap and water to remove organic matter
- ✓ Followed by a disinfectant

The following disinfectants and defined concentrates can be used on surfaces to achieve a >3log^{10} reduction of human coronavirus

- ✓ Ethanol 70-90%
- ✓ Chlorine-based products (e.g. hypochlorite)
- ✓ Hydrogen peroxide ≥0.5%

Attachment A: WHO Cleaning and disinfection of environmental surfaces in the context of Covid-19, 15 May 2020

Be-Sure is based on a formulation that consists of a recommended concentration of Food Grade Stabilized Hydrogen Peroxide and other agents in order to provide not only a fast, but also prolonged protection against various micro-organisms including the Corona Virus Family if use undiluted and as directed.
Be-Sure was formulated using the published data and research from the following references as a guideline:

1. EPA (United States Environmental Protection Agency)
   Containing a list of registered products with similar active ingredients.
2. Science Direct 2020
   Potential role of inanimate surfaces for the spread of coronaviruses and their inactivation with disinfectant agents.
3. Centres for Disease Control and Prevention
   Guideline for disinfection and sterilisation in healthcare facilities (2008).
4. NCBI (National Centre for Biotechnology Information)
   Low levels of hydrogen peroxide stimulate corneal epithelial cell adhesion, migration and wound healing.

Be-Sure maintains both a safe concentration of active ingredients and ensures efficacy on adequate viral inactivation. The wet exposure time is recommended at a minimum of 1 minute.

www.cdc.gov/infectioncontrol/guidelines/disinfetion/disinfection-methods/chemical.html
www.sciencedirect.com/science/article/pii/S2590088920300081
www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2
www.ncbi.nlm.nih.gov/pubmed/203115

Be-Sure has been independently tested by MERIEUX NutriSciences (a SANAS approved laboratory) using test method EN 1276:2011 on organisms ATCC10541, ATCC10536, ATCC15442 and ATCC6538
The test results revealed that the product conformed to all the requirements and that all organisms achieved a log reduction of ≥5, at a contact time of 1 minute.

As a result of the Covid-19 lockdown the full administrative procedure could not be followed by the NRCS and the full NRCS accreditation will only be available once the lockdown regulations allows. Therefor only a:

- ✓ Sales Permit 55/2020 for the Be-Sure/Hand Sanitizer C was issued during the lockdown
- ✓ The Sales Permit is issued as an interim permission to legally sell a disinfectant in SA
- ✓ The product has already passed the NRCS lab requirements as an effective disinfectant

Attachment B: NRCS Sales Permit, 21 May 2020

Benefits

- ✓ Antiviral activity within 60 seconds
- ✓ Alternative to alcohol-based sanitizers
- ✓ Safe to use in mist/fogging/spray applications
- ✓ Safe on human skin
- ✓ Non-flammable
- ✓ No statutory or regulatory requirements for transportation & storage

Application

- ✓ Trigger spray applications
- ✓ Mist spray
- ✓ Fogging
- ✓ Spray booths.