

TECHNICAL DATA SHEET

NETBIOKEM FAQ'S

(Version 3 published 30th March 2020, replaces version 2, 10th March)

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Q) How do I use Netbiokem?

The product can be used as a spray, a wipe, as a liquid and as a fog when this equipment is available. It will be effective in all applications as long as the surface is wet with the product.

Q) What surfaces can Netbiokem be used on?

Netbiokem is safe to use on all surfaces, including food preparation areas. However, as for other disinfectant products and actives, for example bleach, quaternary ammonium compounds, peroxide etc, it is recommended that food preparation surfaces be rinsed and dried afterwards.

Q) Is Netbiokem safe to use?

The product is safe to use and is not dangerous or corrosive. The Safety Data Sheet for the product confirms that it is safe to use, however it is recommended that inhalation should be avoided. There is no concern with skin contact either, as long as hands are washed after use.

Q) Can Netbiokem be used around babies, elderly people, pregnant women and pets?

Netbiokem can be safely used in normal household spray and wipe applications around all humans and pets. When being used in large amounts or in fogging applications we recommend that all persons and pets be removed from the area until treatment is complete.

Q) How often do I use Netbiokem?

Surfaces will stay disinfected once treated with Netbiokem until new contaminants are applied to it. It is our understanding that disinfectants generally do not provide a reliable 'residual' effect, especially during highly infectious outbreaks. Therefore we recommend that you re-disinfect with Netbiokem whenever you suspect that a contamination has occurred.

Q) How long does Netbiokem work on surfaces?

Netbiokem will keep the surface disinfected until new contaminants are applied to it, or it is removed through cleaning, wiping or replaced by any other treatment. The exact time that it stays efficacious cannot be determined for all situations. Therefore we recommend that you re-disinfect with Netbiokem whenever you suspect that a contamination has occurred.

Q) Do you have to use PPE with Netbiokem?

Personal Protective Equipment (PPE) is generally not required for normal use of the product, unless it is being used in bulk or in fogging applications.

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Q) What sort of fogging machine or apparatus can be used?

Each fogging applicator has its' own operating ranges, sizes and specifications. Because of this variation we cannot give specific instructions for each type, however the following are requirements for correct fogging application:

- Use only cold, or non-heating, fogging applicators
- Minimum dosage rate achieved should be 8ml/m³
- To be applied at a distance of 1 metre from any hard surface
- Particle size produced by fogger to be between 1µm and 50µm, however for optimal performance we recommend a range between 10µm - 30µm
- Spray rate, volume and surface area within that volume needs to be taken into account
- A general guide for time of application is 1 minute per 60m³ when spraying at 0.5 litres / minute
- After use clean fogger with pure water for 1 minute

Q) How long do we wait before re-entering after using Netbiokem in a fogging or bulk application?

That depends on the area fogged, the amount applied and the ventilation that is available post use. As a general guide we recommend waiting 10 minutes after post use before entering and starting ventilation, and to wait for 30 minutes after post use before resuming normal operations.

Q) What sort of cloth can I use to apply Netbiokem? Do I have to use a lint-free cloth?

The active in Netbiokem will work on all surfaces effectively regardless of the type of cloth or substrate used to wipe it down (lint-free, paper towel, Chux, tissue etc). Both the active and product are specifically engineered to not react or combine with any substrate, hence it can be used with different cloth types on multiple surfaces. We recommend however using a lint-free cloth to maximise drying and minimise cloth residue being left on surfaces.

Q) Do I have to wipe Netbiokem off a surface when I have applied it?

You do not have to post-clean or dry during normal application using the liquid or a wiping cloth. However, we recommend that food preparation surfaces be rinsed and dried afterwards.

Q) What are the likely effects if Netbiokem contacts the eyes or if someone drinks it?

Netbiokem will not damage eyes if it makes contact, however it is mildly irritating to the eyes, and therefore eye contact should be avoided. The Safety Data Sheet recommends the following Precaution statements for eye contact: "Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention."

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If Netbiokem is swallowed it should not create any lasting problems. However, as with all chemical based cleaning and disinfecting products it will be irritating to the gut and stomach, and should not be ingested. The Safety Data Sheet recommends the following First Aid measures for ingestion: "If swallowed do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully.

Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Seek medical advice. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious."

Q) What happens if my child or pet swallows some product after it has been applied?

The product is safe to use and non-toxic, and should not cause any health problems during such limited exposure. If you are concerned however we recommend contacting your doctor, Poisons centre or veterinarian and providing the information on the pack.

Q) What viruses can Netbiokem kill?

The active component of Netbiokem has been tested against the following specific viruses:

- H1N1 Influenza A virus (enveloped virus) EN14476
- Bovine enterovirus Type 1 (non-enveloped virus) EN14675
- Bovine Viral Diarrhoea Virus (surrogate for Hepatitis C – enveloped virus)
- Vaccinia virus (strain Elstree – enveloped virus)

These viruses are representative of both enveloped and non-enveloped viruses. Therefore, the product will be effective also against both enveloped and non-enveloped viruses such as;

ENVELOPED VIRUS

H1N1 Influenza
Coronavirus
Herpes virus
Hepatitis C virus
Swine fever virus
Ebola virus

NON-ENVELOPED VIRUS

Rhinovirus (common cold)
Poliovirus
Norovirus
Hepatitis A virus
Gastro virus
Rotavirus

Q) Is Netbiokem active against Foodborne Pathogens?

The most common types of food-borne illnesses are:

- bacterial eg Salmonella, Campylobacter, E. coli and Listeria.
- viral eg Norovirus, Rotavirus and Hepatitis A.
- pathogens such as Staphylococcus aureus, Bacillus cereus and Clostridium perfringens.

Netbiokem is effective against all of these food-borne pathogens when used as directed.

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Q) Can Netbiokem be used on soft surfaces such as fabrics and bedsheets?

Netbiokem is formulated for and typically used on hard surfaces for disinfection. For cloths such as bed sheets and other soft surfaces the product will also work, but the whole cloth surface will need to be immersed in the disinfectant - which can be messy and expensive. There are other procedures such as sanitizing with bleach or peroxide treatment and industrial washing that are generally used for treating sheets, gowns, blankets etc. in hospitals and health care facilities.

Q) Is Netbiokem environmentally safe?

The active component and ingredients in Netbiokem are safe to use, and fully biodegradable.

Netbiokem is not considered to be a hazard to the environment under normal use.

Wednesday 8th April 2020

To whom it may concern,

This is to confirm that the products Netbiokem / Ki-ose conforms to all TGA requirements for Hospital Grade Disinfectants, as required by the following:

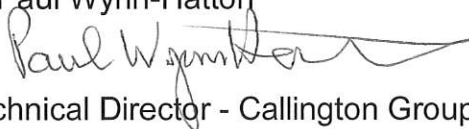
- Therapeutic Goods Act 1989
- Therapeutic Goods Regulations 1990
- Therapeutic Goods Advertising Code 2018
- Therapeutic Goods Order 104 (Standard for Disinfectants and Sanitary Products) 2019
- TGA Instructions for disinfectant testing 2020

Netbiokem & Ki-ose Disinfectants have been used in the global airline industry & Militaries for many years, including the disinfection of Military aircraft used to evacuate the first foreign nationals from Wuhan.

Callington Haven is a world leader in aircraft border biosecurity disinsection and is an adviser to the World Health Organisation for aircraft disinsection globally.

Callington Haven assures that the product quality, safety and efficacy of Netbiokem / Ki-ose are fully supported and meet all appropriate regulatory guidelines and requirements for use in Health Care, Commercial, Industrial, Transport Facilities, Food Manufacturing, Offices and Residential homes.

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World Health Organization

