

ProGuard + is a combined detergent-disinfectant for use in hygiene conscious applications.

ProGuard+

CLEANING & BIOFILM PROTECTION

Features

- ProGuard + simultaneously cleans, disinfects and gives the cleaned surface anti-static properties.
- ProGuard + has a broad spectrum of activity against both Gram-positive and Gram-negative bacteria.
- ProGuard + is highly economical in use and is tolerant of being diluted with hard water.
- ProGuard + is effective against fungi, mildew, algae and yeasts.
- ProGuard + contains a mixture of biocides; alkyldimethyl ammonium chloride (aka. ADBAC or benzalkonium chloride), didecyldimethyl ammonium chloride (aka DDAC) and polyhexamethylene biguanide chloride (aka PHMB). These work synergistically together and in combination with a sequestrant to produce excellent biocidal action against enveloped viruses such as HBV/HIV, Hepatitis B, Herpes simplex, Rota Virus, Bovine Corona Virus SARS-CoV and H1N1 Avian influenza.
- A recent document for cleaning facilities expose to 2019-nCoV published by The European Centre for Disease Prevention and Control (ECDC) confirms that ADBAC is effective against coronavirus at an in-use concentration of 0.05%. The mixture of biocides in a 2% solution of ProGuard + would exceed this level by a considerable margin so it is safe to assume that ProGuard + is effective against 2019-nCoV when used at this concentration.
- ProGuard + contains only those materials which are classified as 'readily biodegradable'.
- ProGuard + has a neutral pH and is therefore much safer and easier to use than harsh biocides such as sodium hypochlorite, hydrogen peroxide, per-acetic acid and iodophors. Non-corrosive towards ferrous and non-ferrous metals include aluminium.

Physical and Chemical Properties

ProGuard + is an aqueous solution of non-ionic, amphoteric and cationic surfactants plus a sequestrant.

APPEARANCE	Clear, colourless liquid
ODOUR	Very low
DENSITY	1.01 g / cm ³
pH @ 20°C	Typical values are: Neat: 7.9, 1%: 7.3



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Applications

Use to clean/disinfect floors, walls, work surfaces, plant and equipment, the components of dismantled equipment, materials handling equipment, the insides and outsides of vehicles, display cabinets etc. Use in those industrial sectors where hygiene is vitally important e.g. food transportation, public buildings, public transport, agriculture, pharmaceutical, health care, sports and leisure etc. Typical use concentrations would be between 1-5% at ambient temperature. In those applications where soiling is old or heavy and a good cleaning action is required in addition to disinfection, use at up to 10% and at temperatures of up to 40°C. In extreme situations, temperatures of up to 70°C can be considered as long as the appropriate safety measures are in place.

Depending on the job in hand, apply by low pressure sprayer (pump-up or trigger spray types), high pressure washer, soaking (dip-tank or sink) or by mop-and-bucket. Leave to work for as long as possible then rinse off with water, at high pressure if possible. Small areas may be wiped clean with a new, clean wiping cloth.



Health and Safety

Labelling according to Regulation (EC) No. 1272/2008 (CLP)

Hazard pictograms (CLP): GHS05

Signal word (CLP): Danger

HAZARD INGREDIENTS:

Quaternary ammonium compounds, benzyl (c12-16) alkyl dimethyl, chlorides; Didecyldimethylammonium Chloride; Polyhexamethylene biguanide chloride; C9-11 alcohol ethoxylate with 9meo

HAZARD STATEMENTS (CLP):

H315 Causes skin irritation

H318 Causes serious eye damage

H412 Harmful to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS (CLP):

P264 Wash hands thoroughly after handling

P273 Avoid release to the environment

P280 Wear protective gloves, eye protection

P302+P352 IF ON SKIN: Wash with plenty of soap and water

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a doctor

EUH-STATEMENTS

EUH208: Contains polyhexamethylene biguanide hydrochloride: May produce an allergic reaction.

It is worth noting that the above H and P phrases apply to the NEAT product and that the in-use solutions will be classified as non-hazardous.