

DESCRIPTION

M2 Sanitiser Concentrate is based on QAC Free Triamine technology together with wetting and chelating agents. The components meet the requirements of current European Legislation and the biocidal element of the formulation is supported in the Biocidal Products Regulation (EU 528/2012).

When used as directed, M2 Sanitiser Concentrate is suitable for use as an anti-bacterial disinfectant in Food and Beverage Production plants and other high care environments. The broad spectrum of biocidal activity also makes M2 Sanitiser Concentrate suitable for use in other high risk areas where good antimicrobial control is required.

M2 Sanitiser Concentrate has been independently tested by:-

Lab-Test Laboratorium SC and passes:-

EN1276 @ 1% for Bacteria in suspension.
EN13697 @1% for surface Bacterial activity.
EN1650 @ 1% for yeasts.

Campden BRI (CCFRA) and passes:

Triangle Contact Taint Test @ 2% (based on BS ISO 4120:2007).

Microbiological Solutions Ltd. and passes:-

EN14476 @ 6% for Vaccinia (enveloped viruses).

USE INSTRUCTIONS

Use M2 Sanitiser Concentrate at concentrations between 0.3% to 2% v/v depending on application. Refer to Cleaning Instruction Card for specific instructions. Make up solution as indicated on the dosing point label for triggers, sinks or buckets.

For Virucidal disinfectant against enveloped viruses, use at 6% v/v. After 5 minutes contact, rinse after application.

Surface Disinfection. M2 Sanitiser Concentrate is used as a surface anti-bacterial disinfectant following thorough cleaning, it can be used as a spray or mist through a trigger, pump-up, backpack, pressurised canister sprayer or a venture applicator.

M2 Sanitiser Concentrate should be allowed a contact time of at least 5 minutes, it is non-tainting, but national and industry specific regulations should be checked to see if the disinfectant needs to be rinsed away with potable water.

Soak Application. M2 Sanitiser Concentrate is used for dip or soak disinfection of equipment parts, utensils and tools. For maximum efficacy items should be soaked for at least 5 minutes. Solutions should be above approximately 40°C or up to 50°C maximum; detergency increases with temperature but care should be taken to ensure that the surface can withstand hot solutions. After soaking it is advisable to rinse items with potable water before re-use.

Cleaning. M2 Sanitiser Concentrate can be used for cleaning lightly soiled food contact surfaces. Solutions can be used at ambient temperature, or up to 50°C; detergency increases with temperature but care should be taken to ensure that the surface can withstand hot solutions. To ensure maximum biocidal action surfaces should be re-wiped/cleaned with a second application of M2 Sanitiser Concentrate before air drying or rinsing with potable quality water.

M2 Sanitiser Concentrate is suitable for semi-dry cleaning of sensitive equipment, for example weighing scales, computer terminals and packaging machines. M2 Sanitiser Concentrate can either be sprayed directly onto the surface and wiped dry with a clean cloth, or applied from a dampened clean cloth. Care should be taken to ensure that electrical items are disconnected from the supply and left to dry after cleaning.



PRODUCT INFORMATION M2 SANITISER CONCENTRATE

QAC FREE DETERGENT/DISINFECTANT

BENEFITS

- Triamine biocides giving wide spectrum of activity at low concentrations.
- Non-tainting.
- For light soils can be used as a single detergent/sanitiser.


BIOCIDAL EFFICACY

M2 Sanitiser Concentrate has demonstrated antimicrobial efficacy against bacteria, yeast, fungi and viruses, when tested in accordance with the following methods. Full details of test results are available on request.

Organism	EN1276	EN13697	EN1650	EN14476
Staphylococcus aureus	✓	✓		
Enterococcus hirae	✓	✓		
Escherichia coli	✓	✓		
Listeria monocytogenes	✓	✓		
Pseudomonas aeruginosa	✓	✓		
Salmonella enterica sb. enterica	✓	✓		
Saccharomyces cerevisiae			✓	
Candida albicans			✓	
Vaccinia virus Ankara (MVA)				✓

 NOT APPLICABLE TO STANDARD

TECHNICAL DATA

Appearance	Clear blue liquid
Odour	Detergent
Foam	Low foam
Specific Gravity at 20°C	1.11
pH (Neat)	>13
pH (1% solution at 20°C)	11 – 11.5
Chemical Oxygen Demand (COD)	362 g/L (As supplied)
Storage Temperature Range	-5°C to + 35°C
Shelf Life	Minimum of 2 years under normal conditions
Holchem Classification	

PRODUCT COMPATIBILITY

It is safe for use on all common materials of construction at 2% v/v, however, prolonged contact with Copper, Brass, Nickel and Chrome should be avoided. Surfaces containing these metals should not be left soaking in the solution for more than 20 minutes.

M2 Sanitiser Concentrate is not safe for use on Aluminium and Mild Steel at 6% v/v. Surfaces containing these metals should be avoided.

TEST METHODS

TRIAMINE – DROPPER TEST METHOD (TEST KIT – TEST0051)

Reagent	Ref.	Equipment	Ref.
TA01 Dropper Bottle (65ml)	TEST0051/01	20 ml Syringe	SKS00822
TA02 Dropper Bottle (65ml)	TEST0051/02	Polycarbonate Test Jar	SKS00823

Step Method

- 1 Using an appropriate syringe transfer X ml of the test solution into the test jar according to the expected range (see table below).
- 2 Add 10 drops of TA01 per 20ml of the sample volume.
- 3 Add TA02 one drop at a time, mixing between each addition.
- 4 The sample will change to yellow/green and then to purple.
- 5 Continue to add TA02 until the sample changes to an **intense blue**.
- 6 Count the total number of drops of TA02 required to go from yellow/green to the intense blue colour.
- 7 **% v/v product = (No. of drops of TA02) x F (Factor)**

Product	Expected Range	Sample Volume X ml	Factor (F)
M2 Sanitiser Concentrate	0 – 1%	40	0.05
M2 Sanitiser Concentrate	0.8 – 2% +	20	0.1

SAFE HANDLING & STORAGE

Keep containers tightly closed.

COSHH places a duty on employers to assess and control the risks of using hazardous substances. The Safety Data Sheet provides the relevant information about the product to assist with this assessment.

PACKS

M2 Sanitiser Concentrate is available in the following pack sizes:

- 4 x 5 Ltr
- 5 Ltr
- 20 Ltr

GENERAL

For accident, emergency and health & safety information refer to the Safety Data Sheet for this product.

This product is registered in the UK with the National Poisons Information Service.

Whilst every effort is made to ensure that the information given in this product information sheet is accurate it is given without guarantee, since the conditions of use are beyond our control.