

## BATSAN 2.0

DECONTAMINANT FOR ALL ENVIRONMENTS THROUGH ATMOSPHERIC USE AND CONTACT

### PURPOSE

BATSAN 2.0 ensures a purifying and sanitising action on all surfaces contaminated with biofilm, biological and organic material and other lipid contaminations. The product does not require rinsing and can be used after cleaning surfaces with other detergents; it does not corrode or stain and does not leave residues in pipes.

### FIELD OF APPLICATION

BATSAN 2.0 can be used to sanitise work places in environments that require high hygiene levels: public transport and ambulances, buildings, offices, businesses, warehouses, workshops, residential buildings, gyms, ambulances and public areas (hospitals, cafés, fast food restaurants, public transportation, etc...) and where the use of alcohol or chlorine-based products is not recommended, and however in places where rinsing is not required.

#### Particularly suited for the decontamination of surfaces in contact with food

- the usual concentrations are safe for indirect contact with food
- it is in the "French positive list" \*
- NO MRL (Maximum Residue Limit) \*

#### Particularly suited for the preservation of technical products

- it does not contain aldehydes and halogens
- it is a sensitising agent \*
- it is recommended by the BfR (German federal institute for risk assessment) for materials in contact with food \*

### ADVANTAGES

- The product does not require rinsing, it does not leave residues and dries without streaking.
- It does not clog the dispensing nozzles of electric or pneumatic machines.
- It does not contain phenols, aldehydes, halogens and organo-metallic active ingredients.
- It is not corrosive on the surfaces it comes into contact with and its use is recommended in the automotive and HO.RE.CA. sectors with manual or electric spraying misting systems or atomisers, including electrostatic.
- It can be used after the surfaces have been cleaned with other detergents.
- Because of its rapid effectiveness, it can be used to sanitise the operator before entering a contaminated place or as a final disinfection at the end of a cleaning cycle.
- It is very effective in eliminating biological substances and biofilms and as an additive in the liquid normally used in floor cleaning machines.
- Pleasantly scented.
- It is compatible with other detergents.

\* With reference to the active ingredient of BATSAN 2.0

**API\* APPROVED** by Virucidal activity test  
**UNI EN 14476: 2005**



### MECHANISM OF ACTION

The partial positive charge of the active biocidal ingredient allows it to adhere and penetrate into the cell membrane of microorganisms. Once it is inside the membrane, the molecule disrupts the metabolic activity of bacteria and the reproduction mechanisms of viruses.

### FEATURES

Physical state	Colourless liquid
pH value at 20°C	11
Density at 20°C	1.05 g/cm <sup>3</sup>
Solubility in water	fully miscible

### INSTRUCTIONS FOR USE AND DILUTION

Prepare the diluted solution with cold water.

**Dilution** up to 1:10 to sanitise operators through atomisation in areas where the presence of infected people has been ascertained.

**Dilution** up to 1:20 in healthcare and non-healthcare facilities for a high level of disinfection or for the preventive treatment of very contaminated surfaces, through spraying.

**Dilution** up to 1:30 in healthcare and non-healthcare facilities to maintain the hygiene conditions or for not exceedingly contaminated surfaces, through spraying.

**Dilution** up to 1:50 suitable as a liquid floor additive in industrial and public facilities.

**Dilution** up to 1:100 to maintain hygiene conditions through mechanical action for not exceedingly contaminated surfaces, through spraying. The diluted solution of Batsan 2.0 does not lose its efficacy and maintains stability for 2 years, stored at room temperature in a dry place and away from direct sunlight.

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### ACTIVE INGREDIENT: HIGH EFFICACY AND BROAD SPECTRUM AMINE

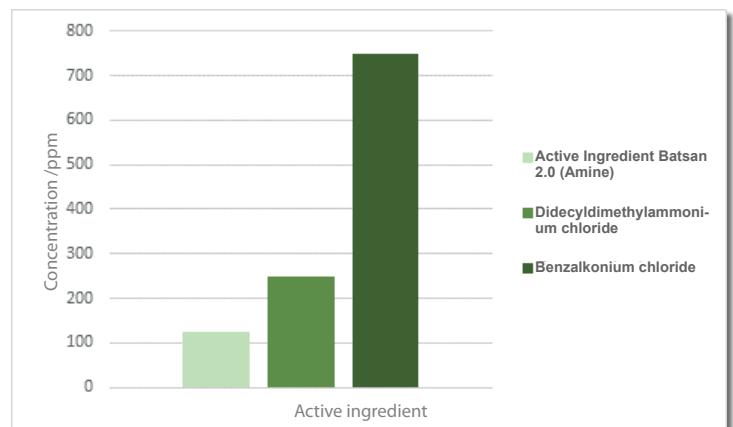
The active biocidal ingredient in BATSAN 2.0 has passed strict international **UNI EN 14476** tests on virucidal activity conducted at external independent ISO 17025:2005-accredited laboratories.

#### AMINE IS PARTICULARLY EFFECTIVE AGAINST:

##### INFLUENZA VIRUSES

**UNI EN 14476** results in clean conditions with a contact time of 10 minutes: amine is effective at 300ppm, equal to a dilution of 2% of BATSAN 2.0, i.e. 1:50 (1 part product to 50 parts water).

**PSEUDOMONAS AERUGINOSA** (compared to quaternary ammonium salts). **UNI EN 1276** results in clean conditions with a contact time of 5 minutes:



The graph shows that a **minimum amine concentration is enough** to obtain the same results against *Pseudomonas aeruginosa* in comparison to commonly used quaternary ammonium salts: **7 times more Benzalkonium chloride is required in comparison to amine.**

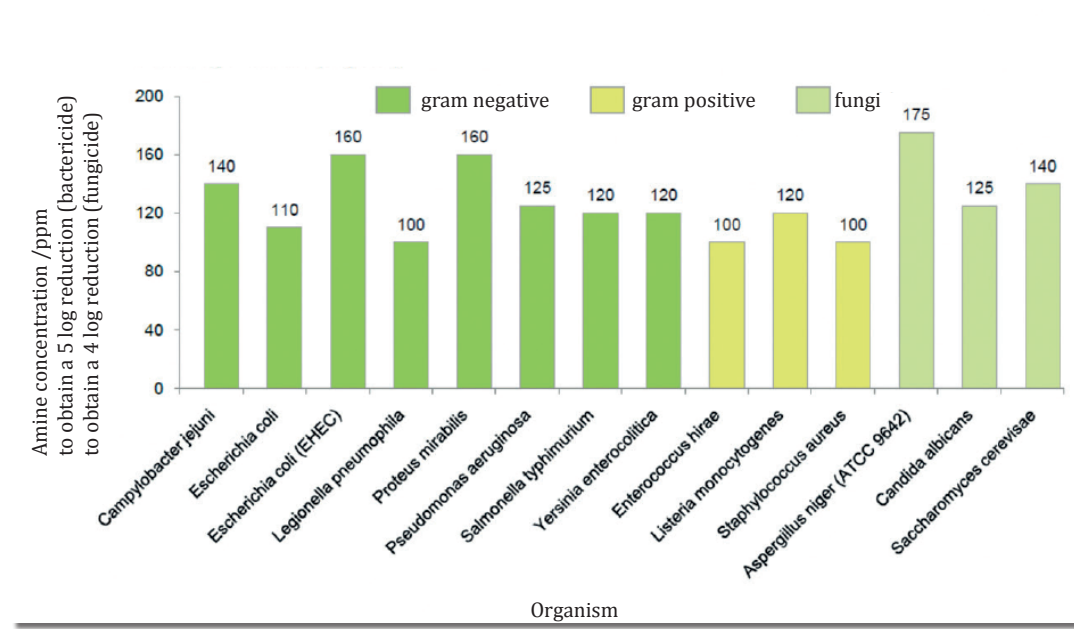
##### PSEUDOMONAS AERUGINOSA (with short contact time)

**UNI EN 1276** results in clean conditions with a contact time of 15 seconds: amine is effective at 450ppm, equal to a dilution of 3% of BATSAN 2.0 i.e. 1:30 (1 part product to 30 parts water).

**MYCOBACTERIA: UNI EN 14348** results in clean conditions with a contact time of 60 minutes: amine is effective at 600ppm, equal to a dilution of 4% of BATSAN 2.0, i.e. 1:25 (1 part product to 25 parts water).

#### EN1276 EFFICACY TEST IN RELATION TO VARIOUS BACTERIA AND EN1650 IN RELATION TO FUNGI

**UNI EN 1276** and **UNI EN1650** results in clean conditions with a contact time of 5 minutes: dilution equal to 1% of BATSAN 2.0, i.e. 1:100 (1 part product to 100 parts water).





The efficacy of Amine in relation to various gram positive and gram negative bacteria (**UNI EN 1276**) and fungi (**UNI EN 1650**) in clean conditions with a contact time of 5 minutes.

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### AVAILABLE FORMATS

Product Code	Format		
H1057	1000ml Bottle	12	64
P1148	5000ml Jerry can	4	40
P1147	25Kg Jerry can	-	48

### WARNINGS



**Signal word: Danger.** P102 Keep out of reach of children. H315 Causes skin irritation. H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects. P273 Avoid release to the environment. P280 Wear protective gloves/eye protection. P302+P352 IF ON SKIN: Wash with plenty of 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. P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention.