

MENTABACT

ATMOSPHERE DISINFECTION
AND RENEWAL

Automotive Industry

Environment

Health

Schools

Industry

Cleaning and Maintenance

Hotels and Restaurants

Institutional



FEATURES

MENTABACT was specially designed to destroy bad odours, renew and disinfect the atmosphere.

PROPERTIES

MENTABACT is produced in accordance with the European standards: EN 1040 e EN 1276 of bactericidal efficacy, EN 1275 of fungicidal efficacy, AFNOR 72180 of virucidal efficacy and NFT 72.230 of sporicidal efficacy.

MENTABACT through its long-range diffuser, sprays hydrated micro-particles in the atmosphere, particularly active to destroy the micro-organisms that are the source of bad odours.

MENTABACT is effective against nauseating odours, rot, tobacco, hydrogen sulphide "H₂S", transpiration odours, combustion fumes, etc.

MENTABACT reduces the microorganisms which cause fermentation and moulds.

APPLICATION

Shake the aerosol before use.

One second of spraying is enough to treat a place with 25m² (60 m³).

UTILIZATION

MENTABACT is used in all places where there is a need to eliminate bad odours and bacteria, such as meeting rooms, hotels, toilets, changing rooms, restaurants, collectives, nursing homes, gyms, etc.

MENTABACT can be also used in air conditioning disinfection.

NOTE: Bactericidal and Fungicidal effectiveness tests, available on request.

ADVANTAGES

- Atmosphere purifier
- Bactericide, fungicide, and Sporicidal Virucidal
- Odour of mint
- Powerful diffuser



MENTABACT application example

TECHNICAL SPECIFICATIONS	
DILUTION	Not applicable
CHEMICAL NATURE	Preparation based on a combination of destructive functions of smells, biocides, dispersants and vegetable extracts.
SURFACTANTS	Not applicable
PHYSICAL STATE / COLOUR	Colourless liquid
ODOUR	Mint
pH	7,0
SOLUBILITY IN WATER	Complete
CLEANING PERFORMANCE	Not applicable
RINSING	No
FOAMING	No
RELATIVE DENSITY	0,825
FLASH POINT	< 0°C
CHEMICAL REACTION	Not applicable
CLASSIFICATION	Extremely flammable
EXPIRATION	2 years. Stored in the original packaging. Protect from excessive sunlight. Avoid extreme temperatures.



CAUTIONS

Chemical product: Always read the label and Safety Data Sheet before using. Keep out of children reach. Avoid contact with eyes. Contents under pressure, do not expose to temperatures exceeding 50°C. Do not puncture or incinerate even when empty. Do not spray on incandescent material.

Always make a test to determine the compatibility and the appropriate contact time.



PORTUGAL

Imporquímica - Indústria Portuguesa de Produção Química, S.A.
Zona Industrial Alto do Carvalhinho, Lote 11 - Apartado 39
2861-909 Moita - Portugal
Tel: +351 212 808 390 | Fax: +351 212 808 395
E-mail: info@imporquimica.pt

ANGOLA

Imporquímica Angola, SA
Estrada do Zango/Viana Polo Industrial Tubogás
Armazéns 35 e 36 - Município de Viana, Luanda Angola
Tel.: +244 222 290 850 | Fax: +244 222 290 230
E-mail: angola@imporquimica.com

CAPE VERDE

Imporquímica Cabo Verde, Lda.
Armazém Achada Grande de Trás
Ilha de Santiago, Praia - Cabo Verde
Tel.: +238 939 07 48
E-mail: caboverde@imporquimica.com

MOZAMBIQUE

Imporquímica Moçambique, Lda.
Avenida Zedequias Manganhela, n.º 267, Prédio JAT IV
4º andar, Maputo - Moçambique
Tel.: +258 845 797 467
E-mail: mocambique@imporquimica.com

NIGERIA

Imporquímica Nigeria Chemicals, Ltd.
Plot 59 Trans Amadi Industrial Layout,
Port Harcourt, Rivers State, Nigeria
Tel: +234 (0) 84 556 004
E-mail: info@nigeria-chemicals.com



visit us
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MENTABACT

GERMICIDAL EFFECTIVENESS TEST

Microbial reduction test of air in place of 20m³, with long-range aerosol application, with MICROBICIDAL properties

MENTABACT

AEROBIC CONTAMINATION control before and after the ATMOSPHERE treatment

Sample collection:

1. Are made in a place with 20 m³, using an aero-bio collector ISO certificate (calibration nr. 01.27173) before and after applying MENTABACT

In each harvest are collected 1000 liters of air which spend directly by agar PCA (putting in evidence all mesophilic aerobic flora.

2. Product diffusion: for this experiment, there was a short spraying of MENTABACT, with about 32.25g of product.

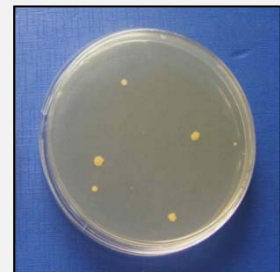
3. After a 3 hours of action time, 4x2 samples were made with 1 hour intervals to measure the airborne residual contamination.

Example of airborne microbial contamination before treatment with MENTABACT



Initial average population: **232 CFU**
(Colony forming units)

Example of airborne microbial contamination, at the same place, after treatment with MENTABACT



Population after treatment:

TIME	Residual population (CFU)	Reduction E = Log (initial population) / Final population	Reduction rate
T ₀ + 3h	11	1,39	96%
T ₀ + 4h	14	1,29	95%
T ₀ + 5h	16	1,23	94%
T ₀ + 6h	58	0,67	78%

With T₀ = Moment of product diffusion

CONCLUSION:

32.25 g of the product contained in the aerosol MENTABACT applied in place of 20m³ presents a substantial disinfectant activity of 1.39 of decimal reduction, in the other words, destroys about 96% of germs in the atmosphere of the place treated.

This microbicidal activity continues for many hours if treated area remains closed.