

BIOSAN OPP

FUMIGANT FOR PROFESSIONAL USE FOR THE TREATMENT OF MANUFACTURING AND STORAGE LOCATIONS OF FOOD INDUSTRIES

BIOSAN OPP is an environmental fumigant in the form of a tablet (weight 600 g) containing 2-phenylphenol (orthophenylphenol). The action towards pathogenic microorganisms is expressed through the heat generated by a slow and controlled flameless combustion. During this fumigation process the heat produced allows the development of orthophenylphenol in a dry gaseous form. The process ensures a constant and uniform release of gas for a period of approximately 3 hours. The developed gas is able to spread uniformly throughout the closed environment subjected to the fumigation process. The result is an aerial treatment, deep and capillary because the color of the smoke also performs the function of marker allowing to verify that the entire volume of the environment is treated. The energetic action combined with the speed and simplicity of application and the absence of incompatibility with most materials make the BIOSAN OPP an economic, versatile and high-level treatment.



Composition: 2-phenylphenol (orthophenylphenol): 10% ; excipients: 90%. **Shelf life:** 2 years.

Use sectors: it can be used in the environments and in the laboratories of the food production industries both for human and animal use **WITHOUT PEOPLE, ANIMALS AND FOOD OR SEMI-FINISHED FOOD**. Examples of environments can be: warehouses, cold rooms, various departments, silos for the storage of feed, means of transport by road, rail, ship, other environments that can be adequately closed and isolated during treatment.

Instructions for use and dosage:

It is recommended that the environmental humidity is above 65%.

1- Turn on the tablet by means of a small portable burner, after having extracted it from the packaging and placed on a metal tray on the floor of the room to be treated, which must be able to be closed and previously cleaned. Don't place the tray in direct contact with flammable or heat-sensitive materials, but interpose an object insensitive to heat. Any equipment that must not be exposed to fumigation must be removed or protected. Ventilation systems must be deactivated. The materials in general don't present incompatibility problems. **2.** Wait until it is completely black and then wait about 3 minutes. **3.** Suffocate the flame by covering it with a container resistant to fire and heat. **4.** Wait for fumigation until complete consumption (about 3 hours). **5.** Wait 15 hours for the active substance to expose its biocidal action. Overnight treatment is suggested. **6.** Ventilate the room before re-use for at least 1 hour and remove any residues deposited from the surfaces and equipment by means of a neutral detergent. The residual fumigation ash doesn't constitute a hazardous waste.

A tablet is sufficient for a shock treatment of 300 M³ or a maintenance / preventive treatment of 600 M³ in volume. By means of the appropriate pre-breaking notches, the tablet can easily be divided into 2 or 4 parts according to the environmental volume to be treated.

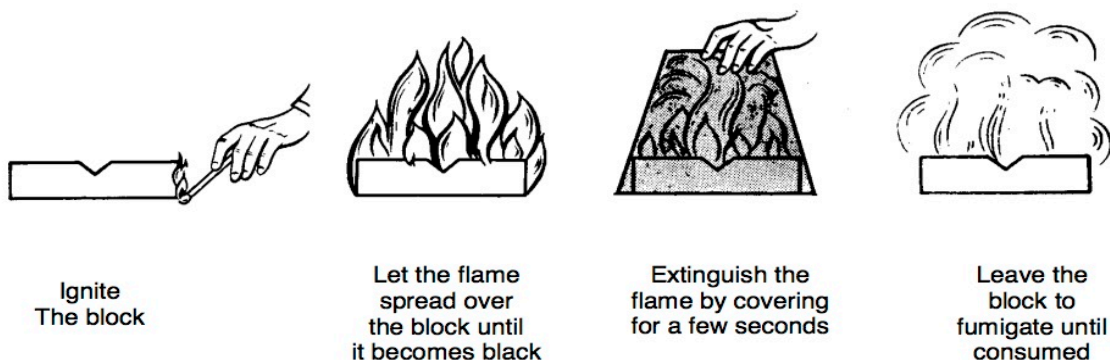
Type of treatment	1 Tablet	½ Tablet	¼ Tablet
SHOCK	300 M ³	150 M ³	75 M ³
PREVENTIVE	600 M ³	300 M ³	150 M ³

Determine the number of tablets (or parts of tablets) to be used depending on the volume of the environment to be treated and arrange them evenly. This promotes the uniformity of the treatment. The treatment frequency must be established according to specific needs.

Advantages:

- **Easy:** no specific application equipment is required.
- **Effective:** fumigation guarantees thanks to the dry gas that penetrates into each ravine a highly effective action on both surfaces and in the air.
- **Performant:** 1 tablet (600 g) allows the shock treatment of 300 M³ or maintenance treatment of 600 M³.
- **Versatile:** thanks to the pre-breaking grooves it is possible to easily split the tablet into 2 or 4 parts to adjust the quantity of product to the actual volume to be treated.
- **Safe:** the application doesn't require the operator's commitment except for the activation phase that requires no more than 5 minutes per tablet (saving time, personnel, reduction of exposure risk). During activation (ignition and suffocation) use a protective mask with filter for organic substances and powders (A1 + P3).

Ease of use:





The following table summarizes the results obtained at third party laboratories:

Test method	Species	Result
AFNOR NF T72-281	Staphylococcus aureus ATCC 6538	Pass
	Pseudomonas aeruginosa ATCC 15442	Pass
	Enterococcus hirae ATCC 10541	Pass
	Escherichia coli ATCC 10536	Pass
	Candida albicans ATCC 10231 (lieviti)	Pass
	Aspergillus brasiliensis ATCC 16404 (funghi)	Pass

▪ **AFNOR NF T72-281**

Methods of airborne disinfection of surfaces — Determination of bactericidal, fungicidal, yeasticidal, mycobactericidal, tuberculicidal sporicidal and virucidal activity, including bacteriophages

Packaging:

- A Cartonbox containing 20 tablets packaged in a single sealed recyclable plastic bag (PE); each envelope contains labeling and instructions for use. The tablets can be splitted directly in the sealed envelope without contact with the operator. **Store** at room temperature (10 ° C to 50 ° C) in the original container away from direct sunlight.
- EUR PALLET of 54 boxes (1080 pcs)
- EUR PALLET of 60 boxes (1200 pcs)
- EUR PALLET of 66 boxes (1320 pcs)
- PALLET (110 x 110 cm) 99 boxes (1980 pz) – this is a special packaging

The product is packaged in ADR / RID exemption for Limited Quantity (LQ) - Ref. Chap. 3.4

Storage conditions:

Keep the product in the original bags and cartons. Do not expose to direct sunlight. Do not expose to temperatures exceeding 50 °C during transport or storage. Exposure to higher temperatures can cause the tablet to lose its hardness, making it more brittle. This phenomenon does not change its effectiveness during fumigation.

Note: Check previously the possibilities of use of the product. Approved uses may differ depending on regulations and specific approvals for different countries.

Product being registered Biocide:

Application for national authorisation (NA-APP): BC-XB032893-36