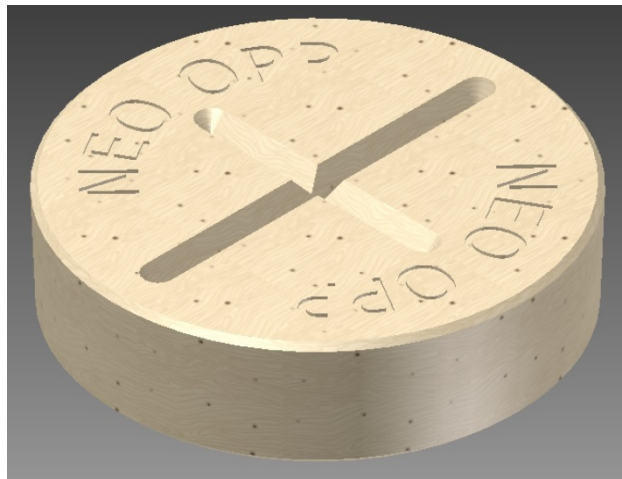




NEO OPP

FUMIGANT FOR PROFESSIONAL USE FOR THE TREATMENT OF LOCALS IN ZOOTECHNICAL AND VETERINARY

NEO OPP is an environmental fumigant in the form of a tablet (weight 600 g) containing 2-phenylphenol (orthophenylphenol). The action against 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 broad spectrum of action, the speed and simplicity of application and the absence of incompatibility with most materials make the **NEO OPP** an economical, versatile and high-quality treatment.



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

Areas of use: it is used in environments and in the CLEAN premises of zootechnical breeding that allow an effective volumetric confinement, necessary to guarantee the non-escape of the fumigate active principle. The product must be used in ABSENCE OF PEOPLE, ANIMALS AND FOOD OR SEMI-FINISHED FOOD. Examples of environments can be: Sheds of poultry farms, tunnels, incubators, other farms and zootechnical environments as long as they can be adequately closed and isolated during treatment.

Instruction for use and dosage:

It is recommended that the environmental humidity is higher than 65%.

1. Turn the tablet away from flammable materials by means of a small portable burner, after having removed it from the packaging and placed on a metal tray on the floor of the room to be treated that must be well 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. Air 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 full consumption (about 3 hours).
5. Wait 15 hours for the orthophenylphenol to expose its action. Overnight treatment is recommended.
6. Ventilate the room before re-use for at least 1 hour and remove any residues deposited from the surfaces and equipment, using a neutral detergent. The residual fumigation ash doesn't constitute a hazardous waste.

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A tablet is sufficient for a shock treatment or a maintenance / preventive treatment according to the indications given in the table below and by means of the appropriate pre-breaking notches it can easily be divided into 2 or 4 parts according to the environmental volume from to deal.

Species	Type of treatment	1 Tablet	½ Tablet	¼ Tablet	
Staphylococcus Aureus	SHOCK	350 M ³	175 M ³	85 M ³	BACTERIA
	PREVENTIVE	700 M ³	350 M ³	175 M ³	
Pseudomonas Aeruginosa ATCC 15442	SHOCK	296 M ³	148 M ³	74 M ³	
	PREVENTIVE	592 M ³	296 M ³	148 M ³	
Enterococcus Hirae ATCC 10541	SHOCK	74 M ³	37 M ³	18 M ³	
	PREVENTIVE	148 M ³	74 M ³	36 M ³	
Proteus Vulgaris ATCC 13315	SHOCK	296 M ³	148 M ³	74 M ³	FUNGI
	PREVENTIVE	592 M ³	296 M ³	148 M ³	
Salmonella Enterica subsp. Enterica serovar Typhimurium ATCC-13311	SHOCK	150 M ³	75 M ³	38 M ³	
	PREVENTIVE	300 M ³	150 M ³	76 M ³	
Candida Albicans ATCC 10231 (lieviti)	SHOCK	74 M ³	37 M ³	18 M ³	
	PREVENTIVE	148 M ³	74 M ³	36 M ³	
Aspergillus Brasiliensis ATCC 16404 (funghi)	SHOCK	74 M ³	37 M ³	18 M ³	VIRUS
	PREVENTIVE	148 M ³	74 M ³	36 M ³	
Avian Influenza A (H1N1) (virus)	SHOCK	300 M ³	150 M ³	75 M ³	
	PREVENTIVE	600 M ³	300 M ³	150 M ³	
African Swine Fever Virus (ASFV) (with the surrogated Vaccinia Ankara MVA) ATCC VR-1508	SHOCK	74 M ³	37 M ³	18 M ³	
	PREVENTIVE	148 M ³	74 M ³	36 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 is usually performed during the emptying of the farm and before the subsequent re-entry of the animals. The frequencies are therefore subordinate to the type of breeding and indicatively they are attested for example around the 40 days for the poultry breeding; 90 days for the tunnels.

Advantages:

- **Easy:** no specific application equipment is required.
- **Effective:** the fumigation guarantees thanks to the dry gas that penetrates in every part a highly effective and prolonged action on the bacteria and fungi present on the surfaces and in the air.
- **Performing:** The laboratory tests show the achievement of good results. Usable for both shock and maintenance treatment.
- **Versatile:** thanks to the pre-breaking carvings 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 which requires no more than 5 minutes per tablet (saving time, personnel, reducing exposure risk). During activation (ignition and suffocation) use protective mask with filter for organic substances and powders (A1 + P3).



Ease of use:

Effectiveness

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

Test method	Species	Result
AFNOR NF T72-281	Staphylococcus Aureus	Pass
	Pseudomonas Aeruginosa ATCC 15442	Pass
	Enterococcus Hirae ATCC 10541	Pass
	Proteus Vulgaris ATCC 13315	Pass
	Candida Albicans ATCC 10231 (lieviti)	Pass
	Aspergillus Brasiliensis ATCC 16404 (funghi)	Pass
	Avian Influenza A (H1N1) (virus)	Pass
	Salmonella Enterica subsp. Enterica serovar Typhimurium ATCC-13311	Pass
	Eschericchia Coli ATCC 10536	Pass
DESIN-9185.3	African Swine Fever Virus (ASFV) (with the surrogated Vaccinia Ankara MVA) ATCC VR-1508	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:

- Carton box containing 20 tablets packed 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 from 54 boxes (1080 pz)
- EUR PALLET from 60 boxes (1200 pz)
- EUR PALLET from 66 boxes (1320 pz)
- 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

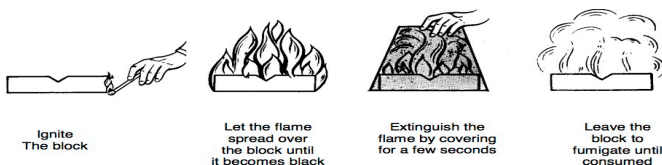


Storage conditions:

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 under registration Biocide:

Application for registration Italy (NA-APP): **BC-KX036786-98**