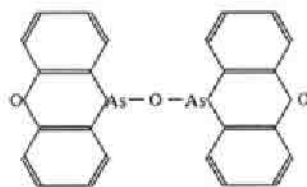


MYKROSTAT A-100

10, 10-oxybisphenoxarsine (OBPA)

Mykrostat A-100 is an OBPA based anti-microbial agent registered by Mytech, Inc. (EPA Reg. No. 81343-1). The active component, 10, 10-oxybisphenoxarsine (OBPA), is an organo-metallic compound widely used in the flexible PVC and polyurethane applications. It is a broad spectrum anti-microbial agent, effective against fungi, pink staining organisms, bacteria and algae. OBPA has excellent heat stability, well within the processing range of flexible PVC, poly-olefin and urethane compounds. Mykrostat A-100 can be formulated into different concentrations in different solvents.

Structure :



CAS # 58-36-6

Specifications:

Assay	≥ 98%
M. P.	182~188°C
CPA	≤ 0.1%
DPO	≤ 0.2%

Mykrostat A-100, or OBPA (10,10-oxybisphenoxarsine) is an organometallic compound widely used in various products requiring anti-microbial protection. It is widely consumed in the flexible PVC and polyurethane industries. It is also used in shower curtains, floor covering, wall coverings, coated fabrics, marine upholstery, automotive vinyl trim, vinyl molding, tarpaulins, awnings, gaskets, weather stripping, caulking, ditch liners, and swimming pool liners. OBPA is also used as a preservative in flexible polyurethane foams, adhesives, coatings, and specialty products in paper and plastic products, in textiles, fibers and cordage (as listed in the **Use Profile** below.)

. It is a broad spectrum anti-microbial agent, effective against fungi, pink staining organisms, bacteria and algae. OBPA has excellent heat stability, well within the processing range of flexible PVC, poly-olefins and urethane compounds. The following table compares the effectiveness of OBPA against other anti-microbial agents available:

Fungicidal activity (ASTM G-21) of various active ingredients used in plastic application

<i>Active Ingredient, ppm</i>	<i>Growth Rating</i>
Triclosan, 9,900	4
TBTM, 625	4
DCOIT, 2,000	3
OIT, 400	2
ZnP, 100	1
IPBC, 250	1
OBPA, 200	0

Note: growth rating of 0=no trace of growth; 4=heavy fungal growth.

Mykrostat A-100 can be formulated into different concentrations in different solvents. Products are available to the plastics market as 2% and 5% liquid concentrates or as 5% pelletized formulations. Other formulations are also available based on customer's request. Mytech, Inc., the supplier, also offers a special formulation that offers low odor and low VOC during production process. This formulation is designed to minimize odors and VOC caused by evaporating solvents in the formulation.