

DUROTEX® 7603

A BACTERIOSTATIC AND FUNGISTATIC EMULSION
CONCENTRATE FOR TEXTILES

Active ingredients:

4,4'-oxybisphenoxarsine 2.0%
(Total arsenic as elemental As - 0.60%)
(Water soluble arsenic as elemental As - Less than 0.02%)

Inert ingredients:

98.0%

PLEASE REFER TO TECHNICAL DATA SHEET

READ THIS LABEL BEFORE USING

Keep Out of Reach of Children

DANGER

Licensed for use under U.S. Patent No. 3,069,252

EPA REGISTRATION NO. 2829-90

EPA EST. REGISTRATION NO. 2829-IL-1

Manufacturer makes no warranty, expressed or implied, concerning the use of this product other than as indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

FOR USE ONLY

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DUROTEx® COMPOUNDS

FUNGISTATIC AND BACTERIOSTATIC EMULSION CONCENTRATES

The DUROTEx compounds are a family of highly effective microbiologically active emulsion concentrates, differing only in their emulsion system and range of compatibilities.

The DUROTEx compounds, at use concentrations, are virtually colorless. In addition, they have excellent light stability and can safely be used in applications where low color is desirable. They are especially useful in such textile areas as:

- Tapes and woven fabrics
- Base fabrics for vinyl coated construction
- Awning fabrics
- Pipe wrapping fabrics
- Wallpaper construction

USE CONCENTRATIONS:

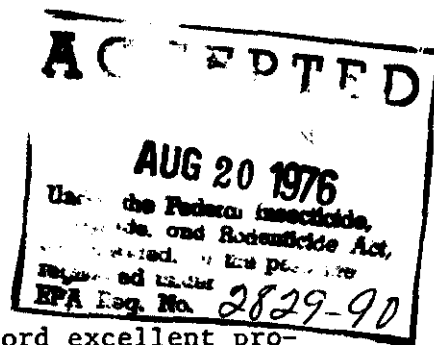
In fabrics, a level of from 2% to 5% DUROTEx will afford excellent protection against attack by surface growing bacterial and fungal organisms.

The higher level of protection is recommended for use in fabrics which will be subjected to weathering or leaching conditions. In such applications the use of a water repellent or resin binder is recommended. Many commercial water repellent formulations, as well as binders such as PVA or acrylics, are compatible with the DUROTEx compounds, and will greatly aid in the creation of a more durable system.*

- * Because of the re-wetting properties of DUROTEx 7599, its use is not recommended in conjunction with water repellents, or where leach resistance is desirable.

For mattress ticking cotton, spun rayon or polyester fabrics or blends thereof, a level of 2% to 3% DUROTEx 7603, based on the weight of the finished fabric, is recommended. A resin binder such as a PVA or acrylic emulsion should be employed. Such resin systems should be selected from those cleared for textile use by the Food and Drug Administration. Starch binders that dust readily must be avoided.

The treating solution should be applied either on a slasher or on pad and nip equipment after which the treated fabric should be dried on conventional drying equipment.



PHYSICAL PROPERTIES:

	<u>DUROTEx® #7599</u>	<u>DUROTEx® #7603</u>	<u>DUROTEx® #7604</u>
Active principle:			
10,10'-oxybisphenoxarsine	2%	2%	2%
Specific gravity @ 25° C.	.990/1.01	1.00/1.10	.975/1.00
% Solids	71-75 %	24-27 %	23-26 %
Color	Off-White	Off-White	Off-White
pH of aqueous solution	6.0/7.0	6.0/7.0	3.0/4.0
Type of emulsifier system	Non-ionic	Anionic	Cationic
Standard packaging	400 lb. net steel drum	250 lb. net fiber drum	250 lb. net fiber drum
EPA Registration No.	2829-81	2829-90	2829-91

TOXICOLOGY:

At use concentrations, the DUROTEx compounds present no known toxicological hazards. Fabrics containing 5% DUROTEx, applied to the shaved skin of Albino rabbits for 72 hours, produce no skin irritation on the test animals.

At the plant level, the DUROTEx compounds, like any other concentrated material, should be handled with proper care. The compounds are moderately irritating to the skin, and workers should be cautioned against splashing and should wear safety glasses if there is any possibility of accidental eye contact.

The following toxicological properties were determined:

<u>Test</u>	<u>Animal</u>	<u>Results</u>
Acute Oral LD50	Albino Rats	1.65 ± 0.24 g/kg
Acute Dermal LD50	Albino Rabbits	4.56 ± 0.53 g/kg
Eye Irritation (Draize)	Albino Rabbits	Extremely Irritating at 0.1 ml.
Skin Irritation (Draize)	Albino Rabbits	Moderately Irritating at 0.5 ml.

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