



## ADVANCED ANTI-MOSQUITO PAINT

*Safe & Eco-Friendly*

## VECTORCIDE XP INDUSTRIAL COATING

### Product description

Vectorcide XP Coating is a unique, safe and highly effective insecticide specifically formulated for challenging conditions as found in the mining and oil extraction industries.

Vectorcide XP allows employers to give their workers maximum protection from vector-borne diseases.

### Technology

The coating seals the capsules within the surface as it dries. (Typically, over 20 billion capsules per square metre) When the mosquito clings on the VC XP Coating treated surface [trampling], the 'pin-like' legs of the insect puncture the capsules.

Using our unique release mechanism, the whole insect is covered in a number of technically advanced ingredients, including the insecticide.

Once affected, it will not continue to bite its prey and will fly away to die.

Vectorcide International have developed VC Coating after a number of years of development to counteract the increasing incidence of resistance within mosquito populations.

### Packaging

Retail pack sizes available in ;

- 1 litre bottle
- 5 litres drums

For B2B customers;

- 25 litres
- 50 litres
- 200 litres HDPE carbuoys

### Application

Vectorcide XP Coating can be applied by roller or brush onto clean hard surfaces such as walls, ceilings and any area where mosquitoes may rest. Do not dilute.

This material gives 100% efficacy on painted surfaces for up to 12 months after application (as per modified WHO chamber method/OOPTS hand in cage methods) and progressively the effect reduces with age.

The treated surfaces can be wiped to remove dirt. If more aggressive cleaning is taken, it should be repainted with Vectorcide XP Coating to restore the efficiency. We recommend repainting the interior surfaces every 12 months for maximum efficacy.

### Special Precautions

Vectorcide Coating is a ready to use white paint topcoat meant for interior painting.

This coating contains encapsulated insecticide in such quantities that it can repel mosquitoes from landing on the painted surface for up to 1 year after application and drying.

If a mosquito should land on the surface it will break some of the capsules and release further active ingredient.

Content of actives in the "as is" supplied slurry is roughly 36%. The remainder of the ingredients are inert substances including water.

Coverage of our VC XP product is around 15 m<sup>2</sup> per litre depending on the surface.



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### Ingredients

The active ingredient of Vectorcide Coating is Lambda Cyhalothrin (0.48%)

### Storage

Vectorcide Coating is stable for 24 months when properly stored in closed containers at 25°C.

There may be slight stratification which disappears instantly on slight shaking. This is normal and is dependent upon the density of the encapsulated active.

### Properties

Ionic nature:	Anionic to slightly Anionic.
Physical Appearance:	White to off-white flowable liquid. Colour is characteristic of the encapsulated active.
pH (as is):	6.5 to 8.0
Solubility in water at 25°C:	Readily dispersible.
Storage stability:	Vectorcide Coating is stable for 24 months when properly stored in closed containers at 25°C. There may be slight stratification which disappears instantly on slight shaking. This is normal and is dependent upon the density of the encapsulated active.
Particle Size:	PSD of Capsule-Msules = 5-15 micron D50
Capsule Content:	5% typical. Non-volatile Solids of 3-5% typical.
Ecology/ Toxicology:	No evidence of skin sensitization in sponsored study. Classified as Low relative acute toxicity (EC50 > 100 mg/L). Biodegradable in activated sludge.
Handling:	The usual hygiene and safety rules for handling chemicals should be observed in handling, storage and use of the product. The product must not be swallowed. Materials are available generally as liquid products with up to 60% water (for flowability and ease of use reasons). The usual restrictions and handling procedures in air cargo applicable to liquids.