

# Fogtech® DX

## Instant Anti-Fog

### Technical Data Sheet

**Product Description/Use:** Fogtech® DX is a fast evaporating liquid that is applied to plastic or glass optics. Once the carrier evaporates, a thin transparent layer of silicone based surfactants remain on the optics. Typically Fogtech® DX is used to absorb the moisture from the air or the person that would, in the right conditions, be deposited onto optics as a fog or a mist. This mist would normally obscure vision resulting in unsafe conditions. Fogtech® DX surfactants absorb this moisture and spread it into a transparent layer so that vision is unimpaired.

**Chemical Reactions:** None at ambient temperatures. See MSDS for complete data.

**Restrictions:** Fogtech® DX must be kept tightly sealed to prevent evaporation. If concentrated surfactants enter eyes, some short term reversible dimming of sight may occur.

**Limitations:** Fogtech® DX is effective on all plastic and glass optics. However, some prescription lenses or lenses with advanced coatings (such as Alize®, Crizal® or similar) are designed to reject topical solutions, water and oils. These coatings will reject Fogtech® and all other anti-fogs. Also, if Fogtech® is used in freezer applications below about 20° F., the water absorbed will freeze and obscure vision.

**Application Techniques:** Fogtech® DX is wiped as a wet coat onto the fogging side of glass or plastic optics using a soft applicator and left to dry clear. Buffing or rubbing is not recommended as it will impair the performance and clarity. Fogtech® DX may be completely removed with plain water or a damp cloth.

**Contains Silicones:** Fogtech® DX contains water soluble silicones so avoid applying around surfaces that are to be painted or coated. About 1/2 gram of Fogtech® DX is required to coat a set of goggles. Once the carriers evaporate, about 1/100<sup>th</sup> gram of silicone surfactants remain on lenses.

**Packaging:** As of January 2014, Fogtech® DX is supplied in individual use packets each containing 1.4 grams (1.8 ml.) of liquid. See packaging/price list for options for retail sale or bulk purchases.

**Shipping:** These packets can be shipped anywhere on all carriers (surface or air) without restriction or special markings.

Typical Properties	
Specific Gravity	0.82
Carrier (Ethanol) Solubility into Water	100%
Surfactants Solubility into Water	100%
pH	7.1
Boiling Point	78° C / 172° F
Autoignition Temp.	362° C / 684° F
Flash Point	14° C / 58° F
Surface Tension (Dynes/cm <sup>2</sup> )	22.1

# Fogtech® DX

## Instant Anti-Fog

### Technical Data Sheet

#### **Fogtech® DX Warranty:**

These data are a result of historical production performance. MotoSolutions does not imply or guarantee that future production will exactly demonstrate these typical properties.

MotoSolutions warrants that if Fogtech® DX anti-fog is applied in accordance with instructions and all data sheets and the user experiences fogging on their optics, we will refund their product cost provided the unused portion of the product is returned to the point of purchase freight prepaid.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE FACE OF THIS WRITTEN WARRANTY. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OF IMPLIED. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS HEREBY EXCLUDED. IN NO EVENT SHALL MOTOSOLUTIONS, NOR ANY RETAILER OR DISTRIBUTOR, BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES WHATSOEVER.

Fogtech® is a United States registered trademark owned by MotoSolutions®.