

Fogtech® Advanced Anti-Fog

Technical Data Sheet

Product Name: Fogtech® advanced anti-fog is a one step topical anti-fog chemical mixture. Fogtech® is a US registered trademark owned by MotoSolutions.

Product Description: Fogtech® is a fast evaporating liquid that is applied to plastic or glass optics. Once the carriers evaporate, a thin transparent layer of silicone based surfactants remain on the optics.

Use: Typically Fogtech® 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® surfactants absorb this moisture and spread it so that vision is unimpaired.

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

Restrictions: Fogtech® must be kept tightly sealed to prevent evaporation. Avoid exposure to long periods of strong sunlight. Avoid soaking PMMA plastic (Plexiglas®) for long periods in Fogtech® liquid as etching may occur. Avoid applying or opening product container near high voltage Pyrotronics smoke/fire detector model F-3/5a as evaporating carriers can cause a false alarm. (OK to use near detectors after coating dries, approximately 10 to 30 seconds after application.) If concentrated surfactants enter eyes, some short term reversible dimming of sight may occur. Flush with water to remove.

Application Techniques: Fogtech® is wiped onto glass or plastic optics using a soft applicator. The product dries clear. Fogtech® may be removed with plain water or a damp cloth.

Contains Silicones: Fogtech® contains water soluble silicones so avoid applying around surfaces that are to be painted or coated. About 2/3 grams of Fogtech® is required to coat a set of goggles. Once the carriers evaporate, about 1/100th gram of silicone surfactants remain on lenses.

Containers: As of January 1, 2009, Fogtech® is supplied individual use packets each containing 2.1 grams of liquid Fogtech®, a “1 fluid ounce” plastic bottle containing 45 grams (30 ml.) of product.

Availability: Sold directly and indirectly throughout the world. For a current list of retailers and distributors please write, call or visit our website www.motosolutions.com

Typical Properties	
Specific Gravity	1.75
Carriers Solubility (Water)	Insoluble
Surfactants Solubility (Water)	100%
pH	7.1
Boiling Point	88° C. (190° F.)
Pour Point	-110° C. (-166° F.)
Flash Point	None
Surface Tension (Dynes/cm ³)	15.0

Fogtech® 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® 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.

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