

Masurf[®] DWR-150

Concentrated Fluoroaliphatic Oil & Water Repellent Optimized for Ambient and Low Temperature Application

Overview

MASURF DWR-150 is an aqueous dispersion of partially fluorinated products for oil and water repellent surface treatment, optimized for ambient temperature application. DWR-150 imparts Durable Water Repellency to fabrics hard surfaces such as Wood, Concrete, Masonry and Tile.

MASURF DWR-150 is a uniquely stable water-based emulsion that can be applied to fabrics & hard surfaces by immersion or spray. DWR-150 can be diluted and packaged as a Ready-to-Use product or formulated for specific end-use applications such as **Masonry Protection**. MASURF DWR-150 can be formulated with glycol ether solvents such as ethyleneglycol monobutyl ether, or pseudo surfactants such as MASURF NRW-N for enhanced performance. For **Hard Surface Treatment**, mix DWR-150 1:10 with Water (or 10% aqueous ethyleneglycol monobutyl ether, or NRW-N) and apply ~2 ounces/square yard of diluted product.

MASURF DWR-150 is Non-Flammable, and does not contain or release ozone depleting chlorofluorocarbons (CFC's), alkylphenol ethoxylates (APE's), and does not release formaldehyde. Masurf FS-Fluorosurfactants and Masurf FP-Fluoropolymers do not contain PFOS.

Compare to Zonyl* 8867L, 9360.

Typical Properties

Classification	Fluoroacrylate copolymer emulsion
Charge.....	Weakly cationic
Physical form.....	Milky white emulsion
Specific gravity (25°C).....	1.01±0.04
pH.....	6.0±1.5
Flash point.....	>200°F (PMCC)
Shipping	Non-Red Label
Storage.....	Store at 32°F(0°C) to 100°F (38°C)

Handling Information

Refer to and follow the guidelines in the Material Safety Data Sheet (MSDS) available from Mason Chemical Company for information on the safe use, handling and disposal of this product.

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TYPICAL PERFORMANCE PROPERTIES

DWR-150 can be diluted and packaged as a Ready-to-Use product or formulated for specific end-use applications such as leather protection. The example below illustrates a typical application:

Masonry Protector

Masurf DWR-150 Masonry Protector keeps stains from penetrating porous surfaces such as Masonry, Concrete and Tile.

Ingredients:	Wt.%
Masurf DWR-150.....	10.00
Water.....	90.00

Notes:

Mix in order listed.
Apply Ready-to-Use, allow to air dry overnight.
Approximate coverage 400 sq. ft./gal. depending on type and age of surface.

SAFE HANDLING INFORMATION

Wear safety glasses with side shields or goggles to avoid eye contact. Wear appropriate gloves to avoid skin contact.

In operations where mists, vapors, or fumes are generated, wear a respirator selected by a technically qualified person for the specific work to avoid inhalation. Suitable ventilation must be used during application. Based on properties displayed by similar materials, the fluoroaliphatic component of this emulsion, if dispersed as a fine particle, may have the potential to induce a pneumonia-like condition.

In spray applications, use a coarse spray device such as a trigger sprayer or low pressure (35-45 psi) dispenser with particle size production of greater than 15 microns. Adjust spray pressure to keep particle size greater than 15 microns. Do not aerosolize or atomize.

DO NOT use Masurf DWR-150 at temperatures above 200°C. Use of DWR-150 above such temperatures may create toxic degradation and the generation of hydrogen fluoride, carbonyl fluoride, carbon monoxide, and carbon dioxide. For further information, please refer to the Material Safety Data Sheet.