



# PRO PERFORMANCE

## Windshield Washer Fluid Product Data Sheet

Houghton Chemical blends and packages windshield washer antifreeze in drums. We sell it in three ways: Concentrate 92%, Concentrate 72%, Pre-mixed 37%.

The recommended percentage of methanol in pre-mixed windshield wash is 37% which yields a freeze point of -20°F.

For health and safety information for this product, contact Houghton for a Material Safety Data Sheet (MSDS)

Windshield Washer Fluid			
Typical Properties by Concentration			
Typical Properties	Conc. 92% Item #0721	Conc. 72% Item #0531	37% Item #0728
Methanol (wt%)	89	63	31
Performance Additives and Water	11	37	69
Color	Blue	Blue	Blue
Clarity	Clear	Clear	Clear
Specific Gravity (15/15°C 60/60°F)	0.790-0.840	0.860-0.890	0.940-0.956
Freeze Point (~°F)	-165	-150	-20
Flash Point (~°F)	50	63	93
Foam Test	Pass	Pass	Pass

**Two drums of 92% concentrate yields five drums of pre-mix with a freeze point at -20 degrees F. Two drums of 72% concentrate yield four drums of pre-mix at -20 degrees F.**

**Cautionary Information:** Methanol, the major component of Windshield Washer, is hazardous. If you are planning to use a Methanol product be certain you are aware of the dangers associated with its use.

- Carefully read the Material Safety Data Sheet for
- Methanol vapor from aqueous solutions greater than 26% are harmful if inhaled.
- Note that Methanol is flammable and it may be fatal or cause blindness if swallowed.
- Methanol has one of the broadest explosive ranges when compared to other flammable liquids making it very dangerous.
- Methanol, when taken by mouth, poses a serious threat to health. One to four ounces has been known to cause fatalities.
- Inhalation of Methanol vapors or absorption through skin may have serious health effects.
- Methanol can cause poisoning, systemic acidosis, optic nerve damage and central nervous system effects. Methanol can degrease the skin, which may cause dermatitis or worse.

Typical properties, not to be construed as specifications. As use conditions are not within its control, Houghton does not guarantee results from use of the information or products herein; and gives no warranty, express or implied.

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