



AUTOMATE™ Yellow 8HF

Liquid Concentrated Solvent Soluble Dye

Description

AUTOMATE™ Yellow 8HF is a single phase, liquid concentrated solvent soluble dye containing C.I. Solvent Yellow 175 provided in a high flash aromatic solvent system. The solvent is used in the product as a viscosity depressant and standardizing agent.

The product has been found to be miscible in most petroleum based fuels, lubricating oils and many other related hydrocarbon solvents. It has found use in a variety of applications but is primarily used for the coloration of lubricants and greases. It can be mixed with other colors in the AUTOMATE Liquid Dye product line to create a limitless number of shades.

The product is available in bung-type nonreturnable steel containers.



Recommended Dosage

The following recommendations are provided as a starting point for typical applications. Actual dosage will depend on desired color strength as well as background color of the base material.

Fuels	5 to 40 mg/l
Lubricants	50 to 200 mg/l
Greases	500 to 2000 mg/l

Typical Physical Properties

AUTOMATE™ Yellow 8HF

Dye Type	Azo
Specific Gravity	0.97 – 0.99
Flash Point (ASTM D-3278)	>93°C
Pour Point (ASTM D-97-87)	<-20°C

These are typical properties, not to be construed as specifications.



Product Specifications

AUTOMATE™ Yellow 8HF

Color Strength	100 ± 5%
Absorbance (at 16 mg/l conc.)	0.523 AU ± 5%
Wavelength Measured	444 nM
Color Shade (Chromaticity Values)	
X Value	0.138 – 0.152
Y Value	0.056 – 0.082
Insolubles	1.0% Max
(Filter Method)	
Water	0.4% Max
(Karl Fisher Method)	

Handling Precautions

AUTOMATE™ Yellow 8HF has been formulated to accommodate handling at temperatures down to 0°C. To ensure pumpability at temperatures below this we recommend diluting the product with an aromatic solvent.

Any piping, fittings, valves, filters, metering pumps, etc. should have wetted parts compatible with that of a naphthalene-depleted heavy aromatic solvent system.

Before using this product, consult the Safety Data Sheet (SDS) for details on product hazards, first aid measures, recommended handling precautions, recommended personal protection equipment and product storage.

CAUTION! Keep combustible and/or flammable products and their vapors away from heat, sparks, flames and other sources of ignition including static discharge. Processing or operating at temperatures near or above product flashpoint may pose a fire hazard. Use appropriate grounding and bonding techniques to manage static discharge hazards.

Storage

The recommended storage temperature for this material is between 10 and 40°C. Exposure to excessively low temperatures should be avoided as it may cause increased levels of precipitation. The product should also be stored away from excessive heat sources or ignition sources.

If product containers are kept sealed and dry and extreme temperatures are avoided the shelf life of the material is greater than 3 years. The container should be tightly closed when not in use in order to prevent solvent evaporation.

Product Stewardship

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Customer Notice

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