



imagine the possibilities™
in ORGANIC SPECIALTIES



Rohm and Haas Company is
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The Dow Chemical Company

DYES

Automate® HF Series

The AUTOMATE® HF series

For adding color to lubricants and other solvent based materials for differentiation or shade consistency

The AUTOMATE HF series are metal-halogen-sulfur-free, single phase, concentrated liquid dyes introduced as an alternative for hard to handle powder dyes. Unlike the AUTOMATE X series, a high flash solvent is used in place of Xylene as the viscosity depressant and standardizing agent. The resulting low volatility along with their bright color, low viscosity, and low level of insolubles make them ideally suited for the coloration of a wide variety of lubricants including:

Automatic Transmission Fluids
Brake Fluids
Gear Oils
Hydraulic Oils

Engine Oils
2 Cycle Oils
Greases
Solvents

Available in the basic colors and some popular blends, they can be mixed to produce a limitless number of shades. They are typically used at treat rates ranging from 50 to 200 ppm depending on the desired shade intensity and background color of the lubricant. Our Fluorescent Yellow 131SC is added to a variety of lubricants and hydraulic oils at levels between 500 and 2000 ppm to help OEM's detect leaks in everything from engine blocks and shock absorbers to hydraulic fluid systems.

The unique properties of these products continue to expand their use in many new applications and invite replacement of powder solvent dyes where low solubility and poor stability cause problems or prevent their use. These applications include:

Aerobatic Display Smokes
Pipeline Batch Interface Detection
Candles

Shoe polishes
Cleaning Solvents
Solvent based inks and coatings

Quality, Reliability, and Experience make the Difference

As pioneers in the field of liquid solvent dyes, we pour decades of experience into every drum of product. They are manufactured to exacting standards and each product has both a strength and color shade specification designed to deliver consistent results.

*Enjoy the peace of mind that comes from working with the experts.
Rely on Rohm and Haas and our AUTOMATE technology for your color needs.*

PLEASE CONSULT THE MATERIAL SAFETY DATA SHEET FOR A COMPLETE LIST OF HAZARDOUS INGREDIENTS, IDENTIFIED HAZARDS, FIRST AID, FIRE FIGHTING, AND ACCIDENTAL RELEASE MEASURES, HANDLING AND STORAGE PRECAUTIONS AND RECOMMENDED PERSONAL PROTECTION EQUIPMENT.



AUTOMATE Blue 8AHF



AUTOMATE Brown 2HFXS



AUTOMATE Green HFXS



AUTOMATE Orange 2HFXS



AUTOMATE Red IKHF



AUTOMATE Yellow HF



Fluorescent Yellow 131SC
(treated with 600 ppm)



Blank Sample

These illustrations are representative of the color shade in light mineral oil at concentrations ranging from 10 to 32 ppm. The final shade of your product may vary greatly depending upon the background color of your product.

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