



Dow Fuel Marking Solutions Fight Tax Evasion

Empowering Governments to Effectively Curb Criminal Activity



Dow Fuel Marker Solutions

Dow offers the broadest range of fuel marker and dye solutions in the marketplace, setting the industry standard with innovative solutions.

Fuel fraud costs governments globally around \$100 billion annually¹. Preventing criminals from exploiting low taxation fuels for unintended use on the road can reduce revenue loss for governments and avoid other negative economic and environmental effects of illicit fuel laundering activities. In addition to lost tax revenue, illicit fuel laundering activities also result in costly and dangerous environmental impact by generating illegal dumping of hazardous waste and creating low quality fuels that increase pollution and damage equipment.

To empower governments in fighting back, Dow offers a portfolio of fuel markers and dyes to meet the diverse needs of governments around the world.

Key Benefits:

- Help increase government revenues by reducing spending on subsidized fuel lost to smuggling.
- Can reduce the risk of shortage for refined products intended for local civilian use.
- Can enhance governance for all private/public aspects of the refined product supply chain.

ACCUTRACE™ - Forensic molecular markers

AUTOMATE™ - Liquid visible dyes, colorants
(Good at keeping honest people honest)

MORTRACE™ - Rapid extractable or developable markers

SPECTRACE™ - Digital, covert, eco-friendly, direct read markers

	Overt	Covert	Easy to Add to Fuel	Stop/Go Roadside Test	Quantitative Roadside Test	Accurate Test Methods	Unique Chemical Structures	Highly Resistant to Illicit Removal
ACCUTRACE™		●	●	●	●	●	●	●
AUTOMATE™	●		●	●		●		
MORTRACE™		●	●	●	●	●	○	
SPECTRACE™		●	●		●	●	●	

○ = Half
● = Full

¹ "How Chemistry Is Helping Defeat Fuel Fraud," Alex Scott, Chemical & Engineering News (Feb 1, 2016)



Dow is committed to the continued improvement of fuel marking technology to enable authorities to protect essential fuel uses and the economic well-being of law-abiding citizens as well as the environment.

The costly and dangerous environmental impact of criminal fuel tax evasion already creates critical concerns for authorities, such as:

- Fuel laundering activities generating illegal dumping of hazardous waste.
- Poor quality fuels created in these illicit processes increasing pollution and damaging equipment.
- Money saved can be invested in other priorities/sustainability initiatives.

Exploitation of reduced tax rates may cause governments to withdraw the economic benefits for essential fuel uses to curb abuse, resulting in:

- Lower income individuals and families facing greater economic burden

[dow.com/en-us/product-search/accutraceforensicmolecularmarkers](https://www.dow.com/en-us/product-search/accutraceforensicmolecularmarkers)

[dow.com/en-us/industries/industrial-and-infrastructure/energy/fuel-additives](https://www.dow.com/en-us/industries/industrial-and-infrastructure/energy/fuel-additives)

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