Stadis® 450

Description
Appearance – yellow to dark amber liquid. Addition of Stadis® 450 increases the electrical conductivity of distillate fuels to minimize the risk of electrostatic discharge and ignition during the handling, mixing, pumping and filtration of fuels.

Composition
A mixture of polymeric organic nitrogen and sulphur compounds dissolved in aromatic solvent.
Stadis® 450 contains no metals.

Applications
Stadis® 450 is uniquely approved as ‘Static Dissipator Additive’ (SDA) for use in aviation fuels.
Stadis® 450 is effective in most petroleum fuels and products. It is widely used in ground fuels, such as kerosene, diesel fuel, gas oil and heating oil.

Typical Properties
- Kinematic Viscosity 40°C: 7 cSt
- Kinematic Viscosity 20°C: 13 cSt
- Kinematic Viscosity 0°C: 22 cSt
- Density 15°C: 0.92 kg/litre
- Closed Flash Point (PMCC): 6°C
- Pour Point: below -39°C

Treat Rate
Normal range: 0.5 to 5.0 mg/litre. A maximum of 3 mg/l is permitted in certain jet fuels at first addition. Stadis® 450 may be added ‘as supplied’ or pre-diluted with jet kerosene before addition.

Approvals
Stadis® 450 is approved for use in aviation fuels under most major specifications including:
- Joint Fuelling Systems Check List (Civil)
- ASTM D1655 (Civil)
- ASTM D6615 (Civil)
- CGSB Canada 3.22 and 3.23 (Civil)
- DEF STAN 91-87 and 91-88
- DEF STAN 91-91
- MIL-DTL-5624
- MIL-DTL-83133
- DEF STAN 91-90 (Aviation gasoline)
- ASTM D910 (Aviation gasoline)

Stadis® 450 is approved under STANAG 7036 for use in fuels distributed through the NATO pipeline.
Stadis® 450 is widely used in ground fuels and is the logical choice for fuels distributed through multi-product pipeline systems.
Stadis® 450 is specified for use in EN590 diesel in France.

Safety and First Aid
Always consult the Innospec Safety Data Sheet for safety information before using the product.

Technical Service and Ordering Product
Please contact your nearest Innospec Customer Service Centre / Sales Office.
Contact details for all Innospec Sales Offices are available on our website: www.innospecinc.com

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