



Spec-Aid 8Q902ULS(FuelAid 902*)

distillate conductivity improver

Spec-Aid 8Q902ULS(FuelAid 902) is designed to:

- Improve the electrical conductivity of distillate fuels
- Reduce the build-up of static charges during transfer, mixture and shipment of distillate fuels

description and use

Spec-Aid 8Q902ULS(FuelAid 902) is a concentrated oil-soluble conductivity improver designed to reduce the potential hazards associated with the build up of static electrical charges commonly created during blending, transfer, and/or delivery of low conductivity distillate fuels by increasing the base conductivity level.

Spec-Aid 8Q902ULS(FuelAid 902) meets the 40CFR80.591B certification and at recommended maximum treatment dosages will contribute <15 ppm (mg/L) sulfur to the finished fuel blend.

application

Spec-Aid 8Q902ULS(FuelAid 902) will improve the distillate fuel's conductivity when applied during the blending operation or injected directly into a blend component while at the unit operation. The application will not adversely impact the stability of either a final product or individual blend component.

treatment

Proper treatment levels for Spec-Aid 8Q902ULS(FuelAid 902) depend on many factors such as fuel's blending components and the conductivity specifications defined by the refinery, pipeline, or end user. Treatment levels of 1 to 5 ppm (mg/L) can result in as much as a 100 to 400 pS/m increase in the base level conductivity.

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This product is to be used in accordance with control procedures P&WC establishes for each specific application.

feeding

For consistent effectiveness Spec-Aid 8Q902ULS (FuelAid 902) must be fed continuously by a chemical proportioning pump. It is usually fed to finished distillate fuel products downstream of all process units and immediately before storage and transportation. P&WC Product Management should be consulted prior to any other potential applications.

When an injection quill is required, hastelloy steel is recommended. Do not use copper or aluminum or alloys in the feed system. Also avoid prolonged contact with PVC, fiberglass, and various types of rubber such as Neoprene, Buna N and Hypalon. Viton or Kalrez are recommended elastomers. (Neoprene is a registered trademark of E.I. DuPont. Viton is a registered trademark of DuPont Dow Elastomers.) Keep water out of the chemical feed container.

Do not mix with other finished product additive chemicals unless compatibility has been checked with Product Management.

Note: In spring 2006, the EPA set <0.40ppm sulfur contribution to fuel as the maximum sulfur allowed by conductivity improver products, and at this contribution level, there is no mandatory retesting, recertification of the fuel, as long as a good QA and

record keeping program is maintained at fuel blending site.

evaluation

For best treatment performance the Spec-Aid 8Q902ULS(FuelAid 902) distillate fuel conductivity improver program must be conscientiously evaluated by periodically recording critical unit parameters.

safety precautions – typical properties

A Material Safety Data Sheet containing detailed information about this product is available on request.