



DATA SHEET

Product Group 20 - Multifunctional Gasoline Formulations

Composition

A solution of polymeric dispersant, synthetic carrier fluid and functional co-additives in a high Dash point aromatic solvent system.

Physical Form

Amber liquid

Applications

OLA 328.1 is a multifunctional detergent additive package for use in ethanol containing gasoline. It provides excellent keep-clean performance benefits throughout the entire intake system. By reducing and controlling deposits on port fuel injectors, carburetors, manifolds, intake ports and intake valves, OLA 328.1 can improve driveability, increase fuel economy, restore power and reduce exhaust emissions.

OLA 328.1 provides excellent protection against ethanol based acid formation and corrosion and will not cause formation of haze in wet fuel systems.

OLA 328.1 will not increase combustion chamber deposits and will not cause undesirable side effects such as inlet valve stem sticking. In addition, OLA 328.1 exhibits excellent anti-sludge properties.

Recommended Treat Rate

OLA 328.1 is recommended for use at a treat rate of 1 ml per litre of fuel (1000 ppm volume).

Typical Properties

Density 15 deg.C: 0.91 kg/l

Kinematic Viscosity 40 deg.C: 1.5 cSt

Closed Flash Point (PMCC): 62 deg.C

Pour Point: < -21deg.C

Addition Methods

OLA 328.1 can be added either concentrated or in a stock solution using metering pumps, eductor system or batch addition. Observe usual precautions for handling concentrated chemicals and blending additives into fuel.

Compatibility

OLA 328.1 is compatible with other commonly used fuel additives and with engine and fuel system materials of construction. OLA 328.1 will not adversely affect gasoline properties.

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

Product Conforms to EC 1907/2006 (REACH)

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FAQs

Will the Ethomix additive, when added to pump petrol, counteract all the problems Ethanol blended fuels will cause to Classic Cars?

We think we have a pretty good product, but regrettably it will not cure all the ethanol issues.

Can you provide details on how Frost Ethomix protects against the effects of ethanol?

Frost Ethomix additive contains several functional components, a pHe buffer to control acid formation, a filming corrosion inhibitor to protect ferrous metals and a polymeric dispersant which provides the detergency claims.

What tests have been carried out to prove it works?

Frost Ethomix has been tested using industry standard test methods, ASTM methods for corrosion and pHe and CEC test protocols for detergency performance.

In particular, can Frost Ethomix prevent galvanic corrosion in carburettors for example where electronically dissimilar metals are used?

Frost Ethomix will not protect against galvanic corrosion as this is a metallurgy issue. There are no corrosion inhibitor additives which can overcome galvanic corrosion.

Will Frost Ethomix mix with other additives?

Frost Ethomix is compatible with leaded petrol and lead replacement additives.

What materials should be changed or avoided (or regularly checked)?

Zinc and galvanised materials, Brass, Copper, Lead / tin coated steel. (Aluminium), Buna-N (seals), Neoprene (seals), Urethane rubber, Acrylonitrile-butadiene hoses, Polybutene terephthalate, Polyurethane, Nylon 66, Fibreglass-reinforced polyester and epoxy resins, Shellac, Cork.

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