



FUEL ICING INHIBITOR, HIGH FLASH POINT

NATO CODE S-1745 –DCSEA 745/B –MIL-DTL-85470B –DEF-STAN 68-252 Iss.3 Amd.1–AL-41

DESCRIPTION

Nycosol 13 is made of diethylene glycol methyl ether (DIEGME), also called Methylidiglycol, and contains the antioxidant mandatory for MIL-DTL-85470.

APPLICATION

Nycosol 13 is intended to be added to jet fuel to prevent formation of ice crystals that may interfere with the operation of the aircraft fuel system at low temperature (filters, pumps & valves).

It has a high flash point and has replaced ethylene glycol methyl ether (EGME) as fuel icing inhibitor.

It meets the requirements of MIL-DTL-85470B and DEF STAN 68-252, and is DCSEA 745/B approved. The treatment rate is from 0.07 to 0.15% in fuel.

Nycosol 13 can be used in replacement of Gidkost I and Gidkost I-M as anti-water-cristallisation agent in hydrocarbon fuels such as TS-1 (RT) of Russia and Jet A-1 (USA).



Characteristic	Unit	Typical Result	MIL-DTL-85470B DEF STAN 68-252 DCSEA 745/B	Test method
			Limit	
- Appearance	-	Clear, yellow liquid	Clear, bright, visually free from solid matter	Visual examination
- Specific gravity 20/20°C	-	1.023	1.021 to 1.025	ASTM D 4052
- Density at 15°C	kg/dm ³	1.024	1.024 to 1.028	
- DIEGME content	% mass	>99	-	GC
- Colour APHA	-	5	max 10	ASTM D 1209
- Water content	% mass	< 0.1	max 0.1	ASTM D 1364
- Acid number	mg KOH/g	< 0.09	max 0.09	ASTM D 1613
- pH of 25% solution	-	6	5 to 7	NF T 78-103
- Ethylene Glycol content	% mass	< 0.5	max 0.5	MIL-DTL-85470
- Diethylene Glycol content	% mass	< 0.5	max 0.5	DEF STAN 68-252
- Flash Point	°C	91	min 85	ASTM D 93
- Distillation :				
Initial point	°C	min 191	min 191	ASTM D 1078
Dry point		max 198	max 198	

The values above are typical values. They do not constitute any contractual commitment. Sales specifications are available on request. The present technical data sheet replaces all the previous editions.

