

FlowCool-FS

MONO PROYLENE GLYCOL

FlowCool-FS is a high performance concentrated, multi-component, inhibited low oral toxicity mono propylene glycol based heat transfer fluid designed specifically for use in secondary refrigerant systems and in food and beverage processing plants. It is a suitable anti-freeze for use in industrial, commercial and agricultural applications where there is a possibility of incidental contact with food (NSF Nonfood Compounds HT1 Registration No. 151069).

Long, efficient working life

FlowCool-FS (NSF HT1) is tested to and exceeds the ASTM D1384-05 corrosion test standard for metals commonly found within secondary refrigerant systems including copper, steel, cast iron, solder, brass and aluminium.

Reliable & Cost Effective

FlowCool-FS (NSF HT1) formulation helps to improve the longevity of the system by providing excellent freeze protection, corrosion protection and higher resistance to degradation whilst maximising heat transfer efficiency and reducing long terms costs associated with system maintenance.

FlowCool-FS (NSF HT1) has been formulated with US FDA approved direct and indirect food additives which pose minimal risk to human health.

FlowCool-FS has a shelf life of 2 years and is available in 25, 215 and 1,000 litre containers.

Property	Test Method	Unit	Value
Appearance	Visual	N/A	Undyed liquid
Boiling Point @ 1013mbar	ASTM D1120-11	°C	ca 151
Density @ 20°C	ASTM D7042-11	g cm ³	1.02 - 1.10
Dynamic Viscosity @ 20°C	ASTM D7042-11	mPa.s	ca 54.0
Flash Point (CoC)	ASTM D92	°C	ca 108
Kinematic Viscosity @ 20°C	ASTM D7042-11	mm ² / s	ca 51.8
Pour Point	1P15	°C	<-25
pH @ 20°C (33% Vol in water)	ASTM E70-07	pH	8.2 - 9.6
Refractive Index @ 20°C	ASTM D1747-09		ca 1.431
Reserve Alkalinity	ASTM D1121	mis HCl (0.1M)	ca 3
Surface Tension @ 20°C (33% Vol in water)	ASTM D1331	mN/m	ca 37
Water Hazard Classification	WGK1		

All properties in concentrate from unless stated.

- For use in food and beverage processing and secondary refrigerant systems
- Low oral toxicity propylene glycol (propane 1,2 diol) based
- Formulated with US FDA approved direct and indirect food additives
- Conforms to ASTM D1384-05 corrosion test standard
- Temperature range -35 to 120°C



For more information or for a quotation please contact ICS Cool Energy on 0800 774 7406 or email us at info@icscoolenergy.com

