

Gemini[®] PFS Fluorinated Engineered Fluid

Introduction:

PFS Fluorinated Engineered Fluid are clear, colorless, low odor, nonflammable, zero ozone depletion potential fluids. They are low toxic, high density, high boiling point, low surface tension, non electrical conductive, high chemical and thermal stability. They are insoluble in water and compatible with most metals, plastics and elastomers. PFS-19X is hydrofluorocarbon (HFC), PFS-23X is hydrofluoroether (HFE), PFS-26X is perfluoro ketone (PFK). PFS is ideal for use in vapor degreasing applications as a pure, azeotropic component or co-solvent cleaner. Its outstanding properties make it useful for many applications like lubricant carrier, resin deposition carrier, water drying agent, diluting solvent for paints and coatings, aerosol formulation solvent, dielectric testing media, specialty solvent, dispersion media, reaction media, heat transfer media, air tight testing media etc. PFS can replace CFC, HCFC, PFC.

	PFS-190	PFS-191	PFS-193	PFS-195
Appearance	Clear, colorless	Clear, colorless	Clear, colorless	Clear, colorless
Density g/mL	1.57	1.66	1.75	1.81
Boiling point °C	48	55	110	116

	PFS-230	PFS-264	PFS-231	PFS-267	PFS-232	PFS-233	PFS-235	PFS-237
Appearance	Clear colorless	Clear colorless	Clear colorless	Clear colorless	Clear colorless	Clear colorless	Clear colorless	Clear colorless
Density g/mL	1.4	1.6	1.52	1.67	1.43	1.66	1.61	1.79
Boiling point °C	34	49.2	61	74	76	98	128	167

Features:

- Nonflammable, low toxic, non electrical conductive, no residue after evaporation
- Low surface tension, low viscosity, high density, good penetration
- Good compatibility with most metals, plastics and elastomers, easily recovery by distillation
- Good solubility, can be azeotrope with many chemicals and solvents
- Wide density and boiling point range, this enables diversifying choices in different applications, different chemical systems and different chemical structures

Typical Applications:

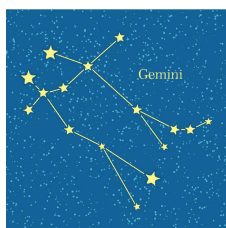
- Vapor degreasing cleaning and rinsing agent
 - Heavy-duty cleaning (co-solvent)—heavy oils, greases, fluxes
 - Medium-duty cleaning (azeotrope)—oils, greases, waxes
 - Light-duty cleaning (pure)—particulates, fluoro lubricants, PFPE greases and oils, light oils, fluoropolymers
- Excellent solvents as lubricant carrier and resin deposition carrier
 - Perfluoropolyether(PFPE) modified intermediates, Fluorocarbons, hydrocarbons, silicone resins
- Spot-free water drying agent (compatible with surfactants)
- Diluting solvent for many paints and coatings
- Specialty solvents, dispersion media, reaction media
- Aerosol formulation solvent
- Dielectric testing media

- Heat transfer media、air tight testing media for semiconductor、aerospace and electronic industries etc.
- Replacement of CFC、HCFC、PFC

Attentions:

- . Container should be closed promptly after use to avoid evaporation. Always wash hands after treatment.
- . During processing, wear protection clothes, be careful of eye、skin contact.
- . Keep the container sealed and store in cool、well ventilated locations.

Packaging/Transport: 50Kg,100Kg plastic jug,200Kg drum. Not classified as dangerous in the meaning of transport regulations.



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