

SAE AMS1428 Type IV Qualified Fluids*

Fluids Qualified at AMIL

for

Aerodynamic and Anti-icing Endurance Performance

(AMS1428 revision current with testing)

Last update: 2024-06-25

Company Name	Fluid Name	Initial Qualification Date (yyyy-mm-dd)		Type of Fluid	Type of Glycol	Qualified until (yyyy-mm-dd)		
		Aerodynamic Performance (paragraph 3.2.5)	Anti-Icing Performance (paragraph 3.2.4)			Aerodynamic Performance (paragraph 3.2.5)		Anti-icing Performance (paragraph 3.2.4)
						High ramp	Middle ramp	
ABAX Industries	ECOWING AD-49	2008-12-12	2008-12-12	AMS1428/1	PG	2026-06-01	-	2026-06-01
ALAB INTERNATIONAL	PROFLIGHT EG4	2023-05-24	2023-05-24	AMS1428/1	EG	2025-06-01	-	2025-06-01
	PROFLIGHT PG 4	2024-04-25	2024-04-23	AMS1428/1	PG	2026-06-01		2026-06-01
AllClear Systems LLC	ClearWing EG	2019-02-28	2019-01-31	AMS1428/1	EG	2025-06-01	-	2025-06-01
ASGlobal	4Flite EG	2020-04-28	2020-05-15	AMS1428/1	EG	2024-07-19	-	2024-07-15
	4Flite PG	2021-06-29	2021-07-07	AMS1428/1	PG	2025-09-07	-	2025-08-04
AVIAFLUID International Ltd	AVIAFlight EG	2020-04-28	2020-05-14	AMS1428/1	EG	2022-04-28	-	2022-05-14
	AVIAFlight PG	2021-07-01	2021-07-01	AMS1428/1	PG	2023-07-01	-	2023-07-01
CHEMCO Inc.	ChemR EG IV	2017-03-20	2017-03-17	AMS1428/1	EG	2023-04-07	-	2023-04-07
	ChemR Nordik IV	2021-05-17	2021-05-17	AMS1428/1	EG	2025-06-01	-	2025-06-01
Chongqing Joba Chemical Co., Ltd	FW-IV	2023-11-01	2023-11-02	AMS1428/1	EG	2025-11-01	-	2025-11-02
Clariant Produkte (Deutschland) GmbH	Safewing MP IV LAUNCH	2006-05-18	2006-05-16	AMS1428/1	PG	2026-06-01	-	2026-06-01
	Safewing MP IV LAUNCH PLUS	2013-07-19	2013-07-24	AMS1428/1	PG	2025-06-01	-	2025-06-01
Crvotech Deicing Technology	Polar Guard® Advance	2011-07-25	2011-07-27	AMS1428/1	PG	2025-06-01	-	2025-06-19
	Polar Guard® Xtend	2019-05-16	2019-05-15	AMS1428/1	PG	2025-06-01	-	2025-06-01
Dow Inc.	UCAR ENDURANCE™ EG106 ADF/AAF	2006-01-25	2006-02-02	AMS1428/1	EG	2025-06-01	-	2025-06-01
	UCAR™ FLIGHTGUARD™ AD-49 ⁽¹⁾	2008-12-12	2008-12-12	AMS1428/1	PG	2025-06-08	-	2025-06-09
Inland Technologies Inc.	ECO-SHIELD®	2016-02-23	2016-02-22	AMS1428/1	PG	2024-10-28	-	2024-10-31
JSC RCP NORDIX	Defrost ECO 4 ⁽²⁾	2017-06-22	2017-06-19	AMS1428/1	PG	2023-08-12	-	2023-08-12
	Defrost NORTH 4	2021-06-01	2021-06-01	AMS1428/1	EG	2023-06-01	-	2023-06-01
Kilfrost Limited	ABC-S Plus	2007-03-07	2007-03-08	AMS1428/1	PG	2025-06-15	-	2025-07-26
MKS DevO Chemicals	COREICEPHOB TYPE-IV PG	2024-04-11	2024-04-04	AMS1428/1	PG	2026-06-01	-	2026-06-01
Newave Aerochemical Co. Ltd.	FCY 9311	2013-12-20	2013-12-20	AMS1428/1	PG	2026-06-01	-	2026-06-01
	FCY-EGIV	2020-03-04	2020-04-22	AMS1428/1	EG	2026-06-01	-	2026-06-01
Shaanxi Cleanway Aviation Chemical Co., Ltd	Cleansurface IV	2024-01-17	2023-11-28	AMS1428/1	PG	2026-06-01	-	2025-11-28

* : These fluids are qualified according to the tests shown in the table. Other qualification tests, such as fluid stability, toxicity and materials compatibility, are equally required and should be obtained from the fluid manufacturer.

⁽¹⁾ : Refer to preproduction qualification of Ecowing AD-49 submitted by ABAX Industries.

⁽²⁾ : This fluid has been requalified according to multiple location tests requirements; additional testing is required.