

## SAE AMS1428 Type IV Qualified Fluids\*

Fluids Qualified at AMIL

for

Aerodynamic and Anti-icing Endurance Performance

(AMS1428 revision current with testing)

Last update: 2020-07-28

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	Low ramp	
<a href="#">ABAX Industries SPCA</a>	Ecowing AD-49	2008-12-12	2008-12-12	AMS1428/1	PG	2022-05-28	-	2022-06-16
<a href="#">AllClear Systems LLC</a>	ClearWing EG	2019-02-28	2019-01-31	AMS1428/1	EG	2021-02-28		2021-01-31
<a href="#">AVIAFLUID International Ltd</a>	AVIAFLIGHT EG	2020-04-28	2020-05-14	AMS1428/1	EG	2022-04-28		2022-05-14
<a href="#">CHEMCO Inc.</a>	CHEMR EG IV	2017-03-20	2017-03-17	AMS1428/1	EG	2021-04-05		2021-04-02
<a href="#">Clariant Produkte (Deutschland) GmbH</a>	Max Flight 04	2004-05-10	2004-05-05	AMS1428/1	PG	2019-01-09	-	2019-01-18
	Max Flight AVIA	2016-04-28	2016-04-25	AMS1428/1	EG	2020-06-06	-	2020-06-12
	Max Flight SNEG	2014-02-20	2014-02-20	AMS1428/1	PG	2022-06-09	-	2022-07-07
	Safewing EG IV NORTH	2016-04-06	2016-04-06	AMS1428/1	EG	2020-07-13	-	2020-11-05
	Safewing MP IV LAUNCH	2006-05-18	2006-05-16	AMS1428/1	PG	2022-03-12	-	2022-03-20
	Safewing MP IV LAUNCH PLUS	2013-07-19	2013-07-24	AMS1428/1	PG	2021-04-30	-	2021-04-01
<a href="#">Crvotech Deicing Technology</a>	Polar Guard® Advance	2011-07-25	2011-07-27	AMS1428/1	PG	2021-03-15	-	2021-01-31
	Polar Guard® Xtend	2019-05-16	2019-05-15	AMS1428/1	PG	2021-05-16	-	2021-05-15
<a href="#">Dow Chemical Company</a>	UCAR™ Endurance EG106 De/Anti-Icing Fluid	2006-01-25	2006-02-02	AMS1428/1	EG	2021-03-29	-	2021-03-01
	UCAR™ FlightGuard AD-49 <sup>(2)</sup>	2008-12-12	2008-12-12	AMS1428/1	PG	2021-05-07	-	2021-04-25
<a href="#">Inland Technologies Inc.</a>	ECO-SHIELD®	2016-02-23	2016-02-22	AMS1428/1	PG	2020-08-16	-	2020-08-21
<a href="#">JSC RCP NORDIX</a>	Defrost ECO 4 <sup>(3)</sup>	2017-06-22	2017-06-19	AMS1428/1	PG	2022-06-08	-	2022-06-08
	DEFROST EG 4 <sup>(3)</sup>	2018-05-17	2018-05-23	AMS1428/1	EG	2022-06-10	-	2022-06-10
<a href="#">Kilfroast Limited</a>	ABC-S Plus	2007-03-07	2007-03-08	AMS1428/1	PG	2021-06-12	-	2021-06-07
<a href="#">LNT Solutions</a>	LNT E450	2015-07-29	2015-07-30	AMS1428/1	EG	2017-07-29	-	2017-07-30
<a href="#">Newave Aerochemical Co. Ltd.</a>	FCY 9311	2013-12-20	2013-12-20	AMS1428/1	PG	2022-05-20	-	2022-06-09
	FCY-EGIV	2020-03-04	2020-04-22	AMS1428/1	EG	2022-03-04		2022-04-22
<a href="#">Shaanxi Cleanway Aviation Chemical Co.,Ltd</a>	Cleansurface IV	2015-05-25	2015-06-17	AMS1428/1	PG	2019-02-24	-	2019-03-13

\* : 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 AD-480 submitted by ABAX Industries.

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

(3) : This fluid has been requalified according to multiple location tests requirements; additional testing is required and data will be provided by October 2020.